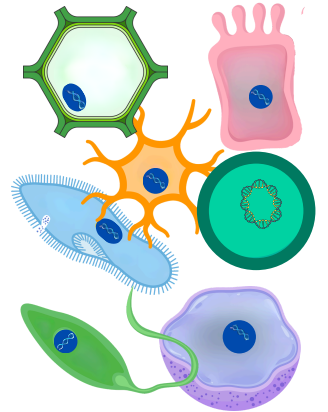
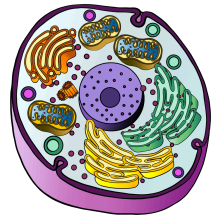


CONTENIDO DEL JUEGO

TAZOS CELULARES: Son las 66 fichas principales del juego. Cada taza representa una célula con una combinación concreta de características biológicas: tipo celular (procariota o eucariota), forma y presencia o ausencia de determinados orgánulos. Estos tazos se colocan boca arriba sobre la mesa y constituyen los elementos que los jugadores deben observar y seleccionar para cumplir las condiciones indicadas en sus cartas de misión.



TAZOS COMODÍN: Estos tazos podrán sustituir a cualquier célula pero, siempre, atendiendo a las reglas del juego. En cada partida se colocarán tantos tazos comodín como jugadores menos uno.



HOJA DE REVISIÓN DE PARTIDA: Está hoja se usará para comprobar si son correctas, o no, las cartas completadas por los jugadores.

CARTAS DE MISIÓN: Son 108 cartas. Cada una indica una combinación de características celulares que el jugador debe localizar entre los tazos disponibles. Estas condiciones pueden referirse al tipo celular, la forma o la presencia o ausencia de determinados orgánulos.



CARTAS DE MALDICIONES: El participante ganador en cada ronda recibirá una carta de maldición que deberá aplicar en la siguiente ronda jugada. Son 9 cartas con distintos retos.

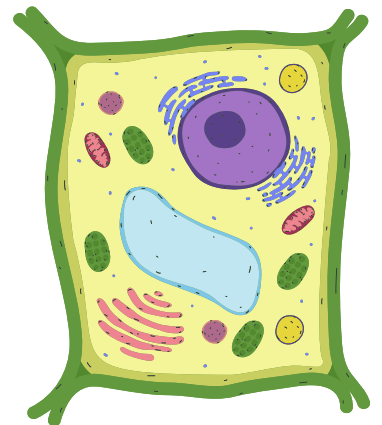
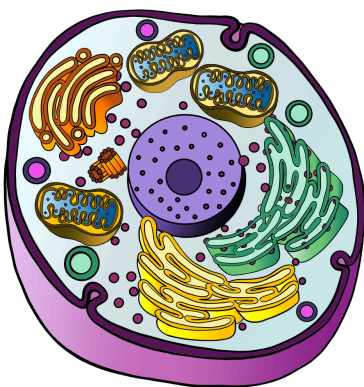


CÉLULA CENTRAL: Se coloca en el centro de la mesa. Los jugadores deben cogerla en cuanto completan todas sus cartas de misión. El primer jugador que coja la célula central habiendo completado sus misiones correctamente ganará el botín de cartas, pero también una maldición para la siguiente ronda.



CONSEJOS PARA EL DOCENTE

- Es aconsejable que el número de jugadores en cada equipo sea entre 3 y 6.
- Los tazos celulares deben **imprimirse en color** para poder diferenciar correctamente los orgánulos. Las cartas pueden ser impresas en blanco y negro, si se desea.
- Para aumentar la durabilidad del juego **plastifica** todos sus elementos (tazos y cartas).
- Proporciona una **hoja de revisión** de partida, a color, a cada equipo para ayudar a la revisión de cartas tras cada ronda.
- Cada carta está formada por un anverso y reverso. Para su **correcta impresión** se aconseja hacerlo en una tienda especializada.
- Los tazos han de **recortarse** manualmente con tijeras o, en su defecto, en cuadrículas. Para el recorte de cartas es aconsejable usar una cortadora de guillotina.
- Para adaptar el juego a la **diversidad** de nuestros alumnos (alumnado NEAE, diversificación, aula específica...), es posible confeccionar una versión más sencilla del juego seleccionando aquellas cartas de misión valoradas con 1 punto.



Hemos de ser conscientes del tiempo y esfuerzo que conlleva montar este juego pero, también que, una vez creado, nos servirá para años posteriores y, no menos importante, permitirá a nuestros alumnos afianzar conocimientos, autoevaluarse y divertirse.

¿CÓMO SE JUEGA?

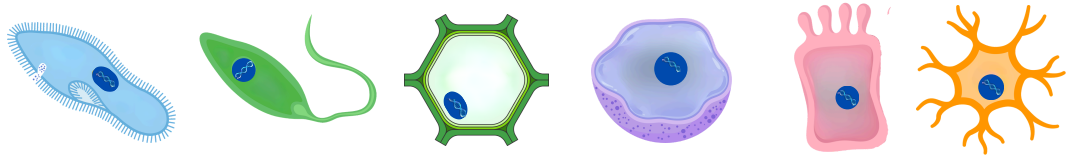
- 1 Coloca, sobre la superficie de juego, la **célula central** y, a su alrededor, los **tazos celulares** boca arriba (66 tazos), más tantos **tazos comodín** como jugadores menos uno.
- 2 Reparte cuatro **cartas de misión** a cada jugador (para 2-4 jugadores) o tres (para 5 jugadores). El número total de rondas por juego será, aproximadamente, de 4.
- 3 Inicia el juego al grito de: "3,2,1... A por las células! "
- 4 Cada jugador irá levantando, de izquierda a derecha, cada una de sus cartas de misión. En cada carta se indicarán unas características celulares (forma, orgánulos...) que el jugador deberá encontrar para completar la carta buscándolas entre los tazos dispuestos sobre la superficie de juego. Cuando el jugador localice el tazo de la célula que busca, lo cogerá y colocará sobre su carta. El jugador no podrá levantar la siguiente carta de misión hasta haber completado la anterior.
- 5 Si un jugador no puede completar una de sus cartas, debido a que no está el tazo de la célula que necesita, podrá sustituirlo por un **tazo comodín**. (Si durante la revisión de cartas, se comprueba que el tazo que necesitaba está sobre la mesa de juego, la carta no será válida para puntuar, e irá a la pila del botín).
- 6 El jugador que complete todas sus cartas de misión en primer lugar cogerá la **célula central** gritando "¡La célula es mía!" y se detendrá la partida.
- 7 Tras detener la partida se ha de **comprobar**, en primer lugar, que el jugador que ha cogido el tazo central ha completado correctamente todas sus cartas (usar hoja de revisión de partida si es necesario). Se hará lo mismo con las cartas completadas por el resto de los jugadores. En cada partida, cada jugador guardará las cartas que ha completado correctamente e irá sumando los puntos que en cada una de ellas se indica.
- 8 Las cartas no completadas en cada ronda se colocarán bajo la célula central (**botín**). En la siguiente partida, el jugador que complete primero todas sus cartas y coja la célula central, se llevará todas las cartas acumuladas de la partida anterior (solo en el caso de tener todas sus cartas completadas correctamente). Las cartas completadas erróneamente, en cada partida, serán devueltas al mazo de cartas principal.
- 9 El jugador que ha cogido la célula central, independientemente de tener o no todas sus cartas correctas, estará maldito y deberá coger una **carta de maldición** con la que jugará en la siguiente partida.
- 10 El juego finaliza cuando no queden cartas suficientes para una siguiente ronda. Los jugadores deberán, entonces, **sumar los puntos** de todas las cartas que han ido acumulando durante el juego. El ganador será aquel que haya obtenido más puntos.

HOJA DE REVISIÓN DE PARTIDA

CÉLULAS PROCARIOTAS



CÉLULAS EUCARIOTAS



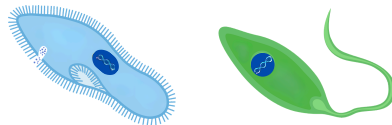
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CÉLULAS VEGETALES



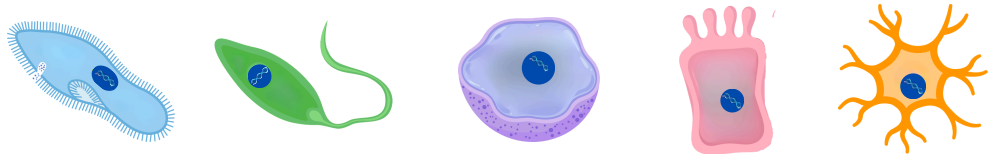
CÉLULAS PROTISTAS



CÉLULAS CON PARED CELULAR



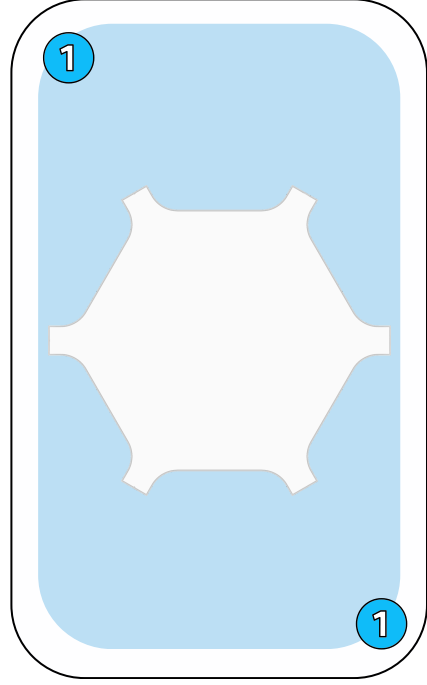
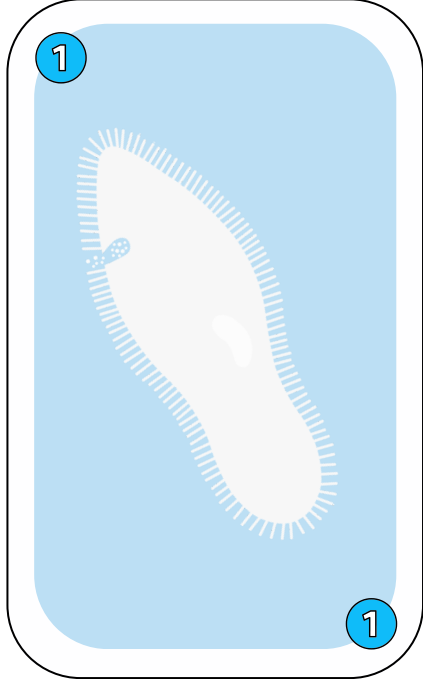
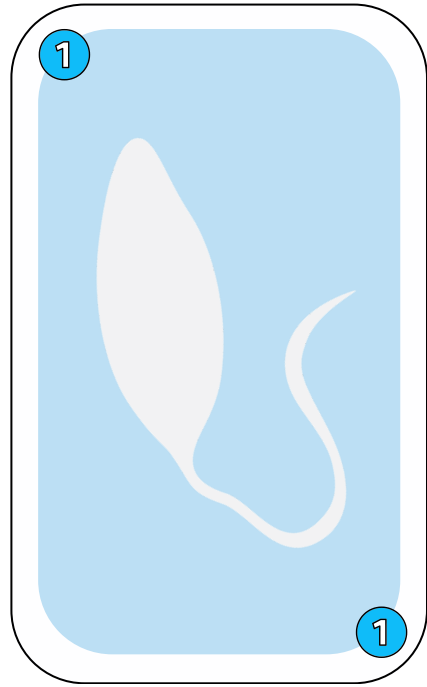
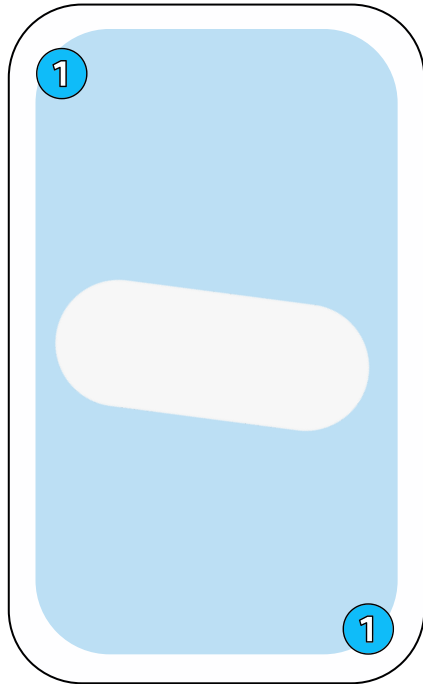
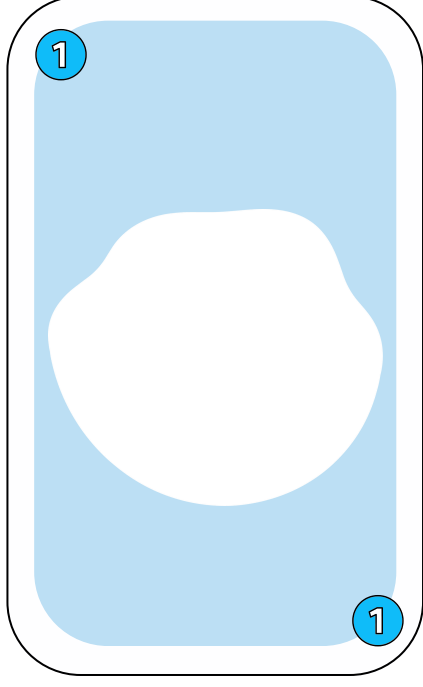
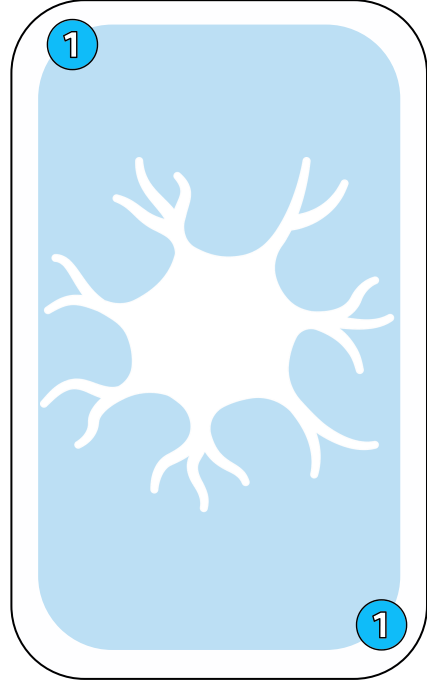
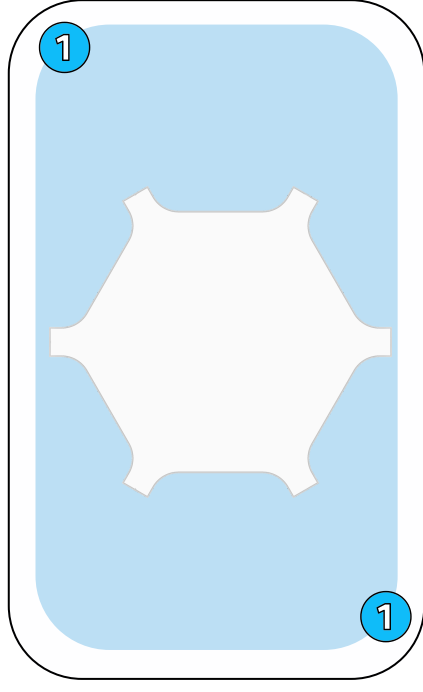
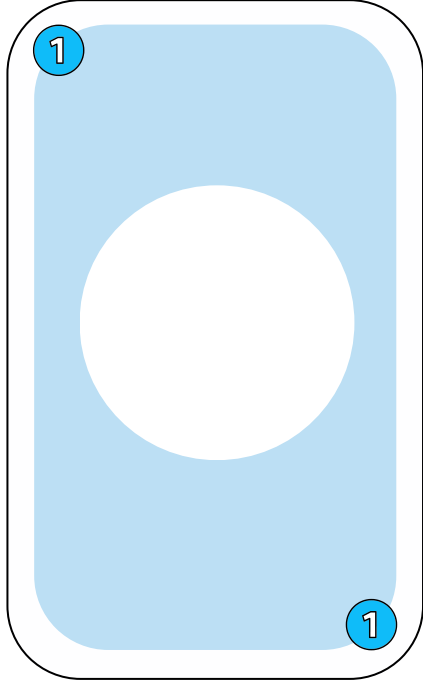
CÉLULAS SIN PARED CELULAR



CÉLULAS FOTOSINTÉTICAS

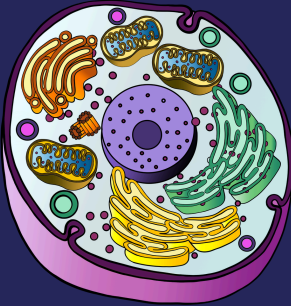


BLOQUE DE CARTAS I



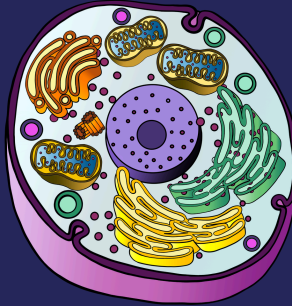
BLOQUE DE CARTAS I

LA CÉLULA



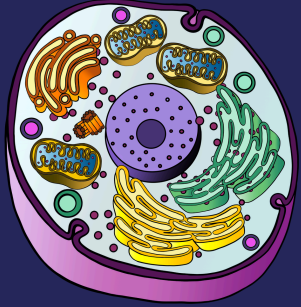
MALDITA

LA CÉLULA



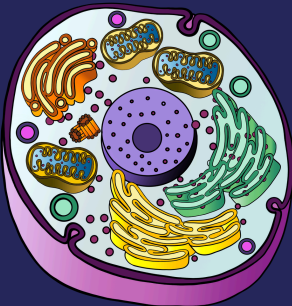
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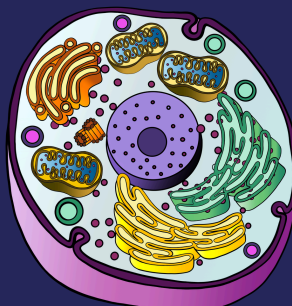
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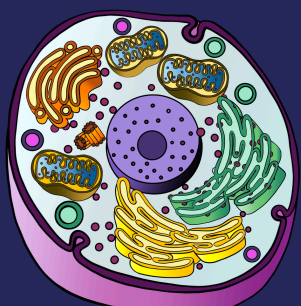
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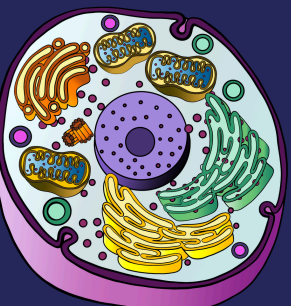
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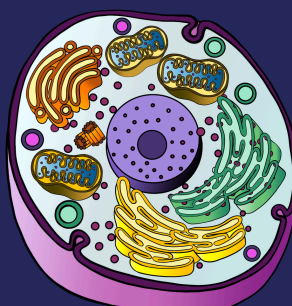
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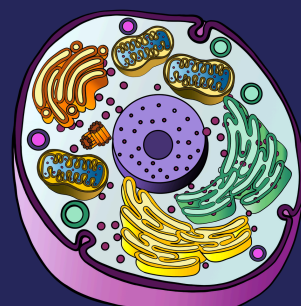
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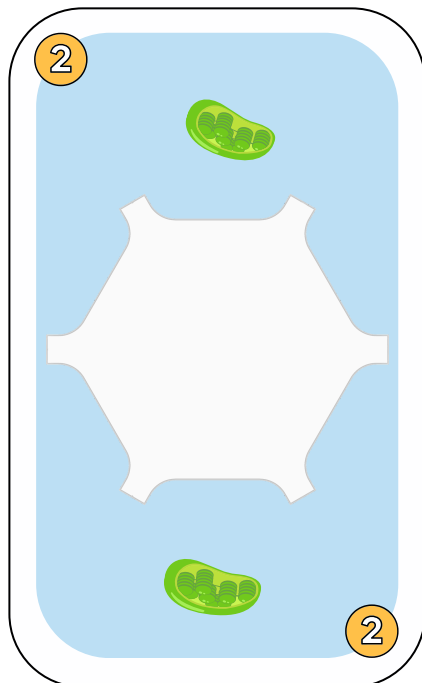
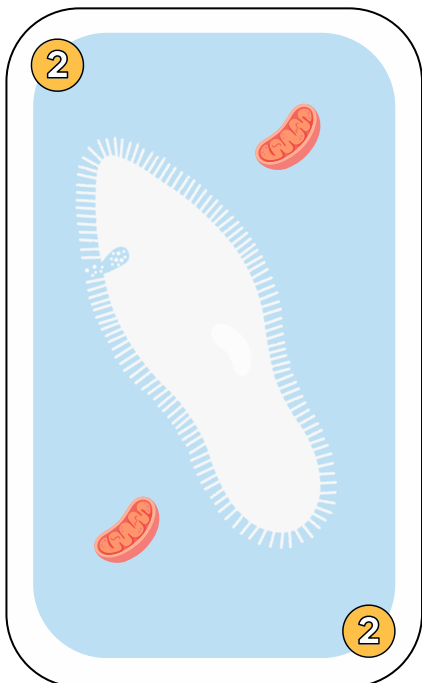
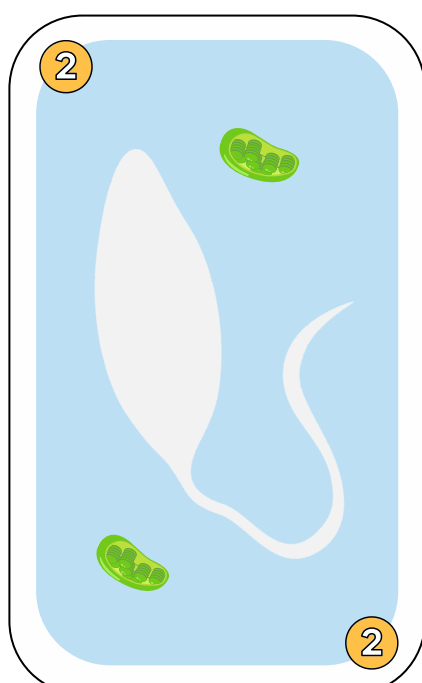
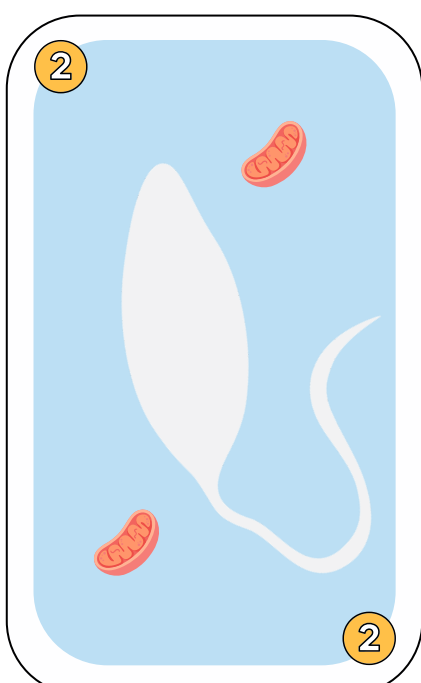
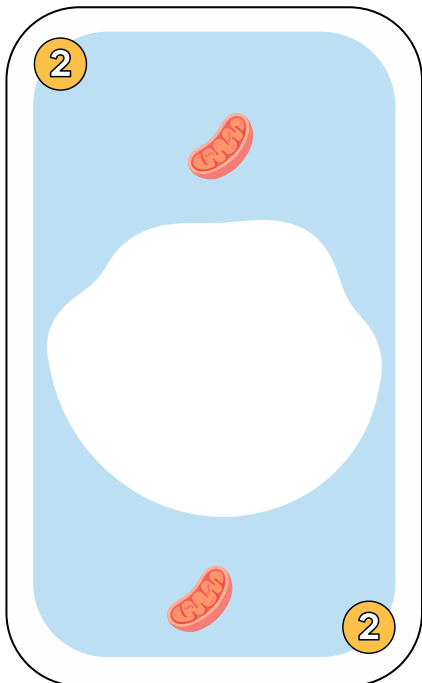
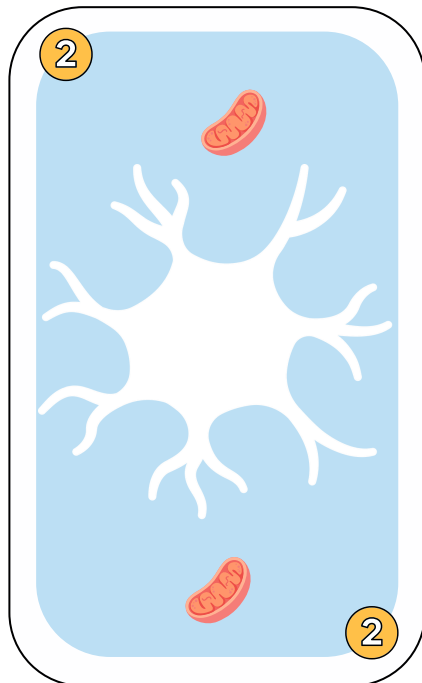
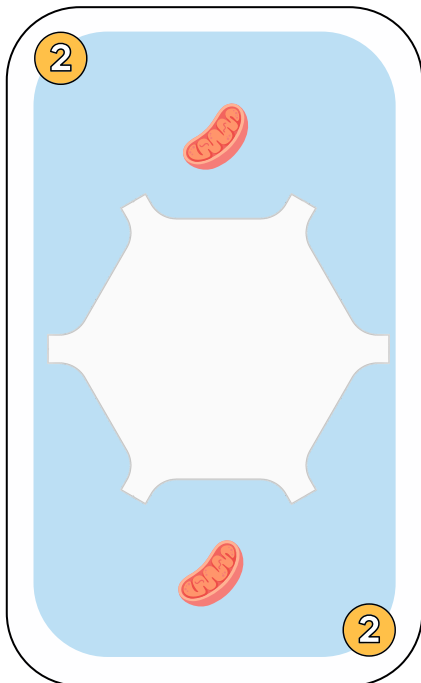
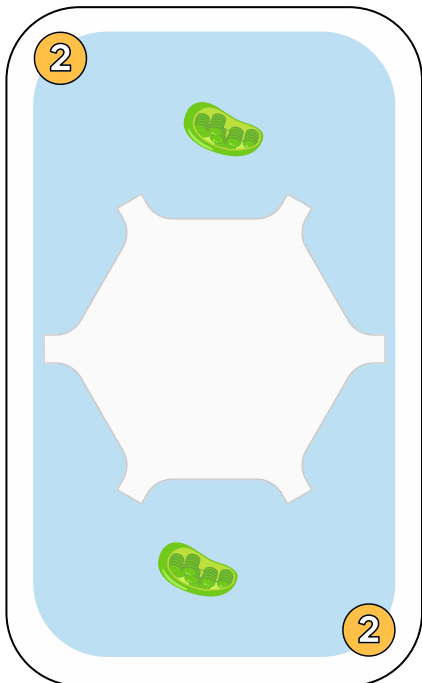
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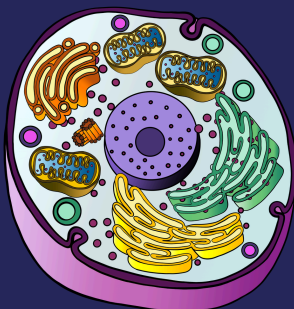
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BLOQUE DE CARTAS II



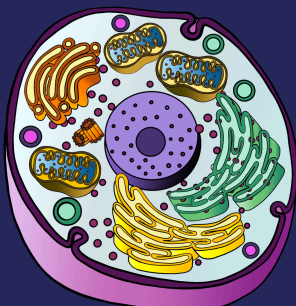
BLOQUE DE CARTAS II

LA CÉLULA



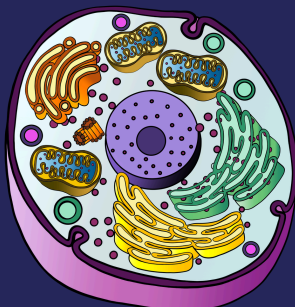
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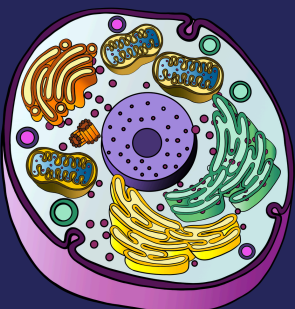
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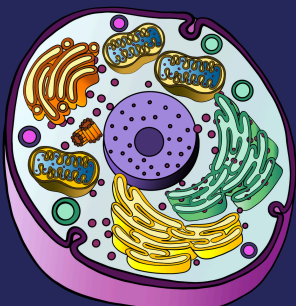
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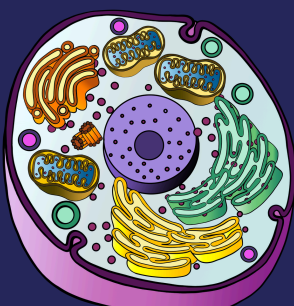
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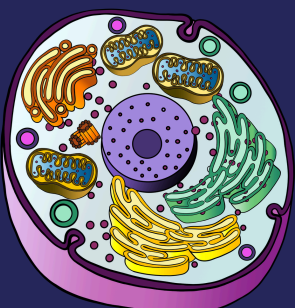
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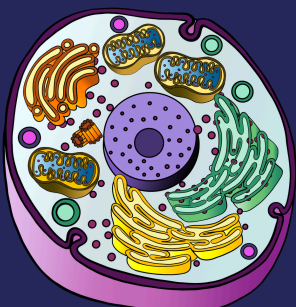
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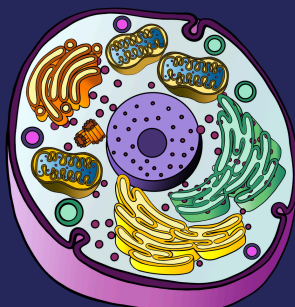
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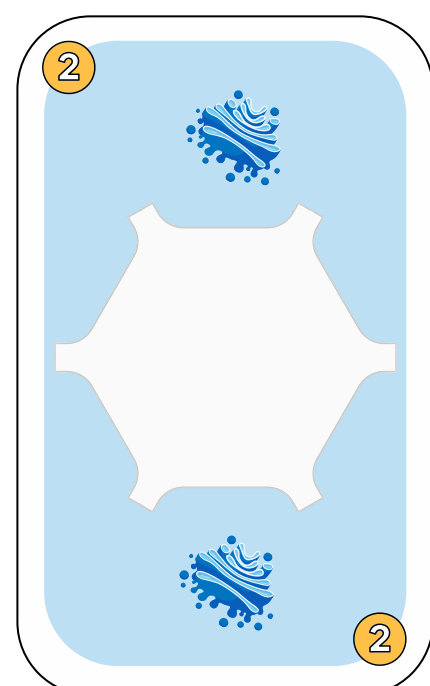
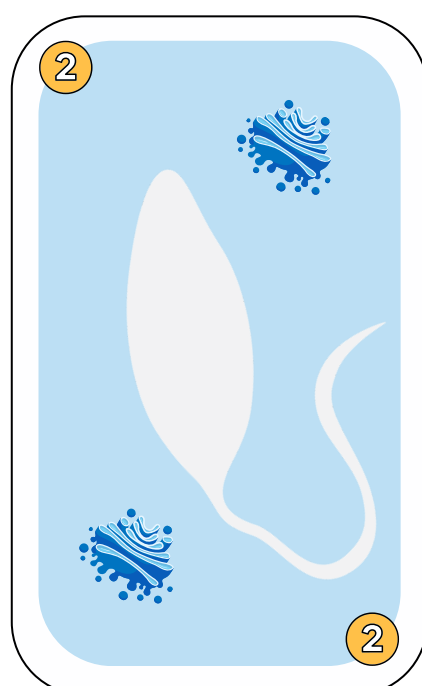
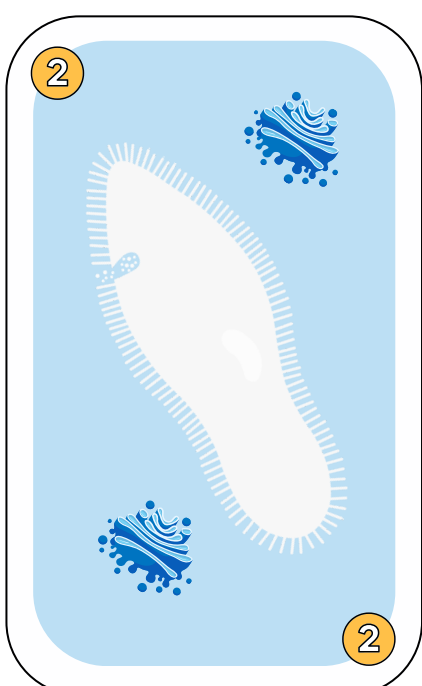
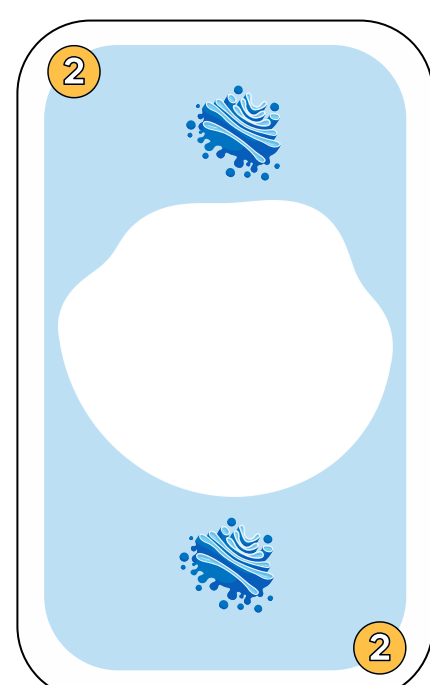
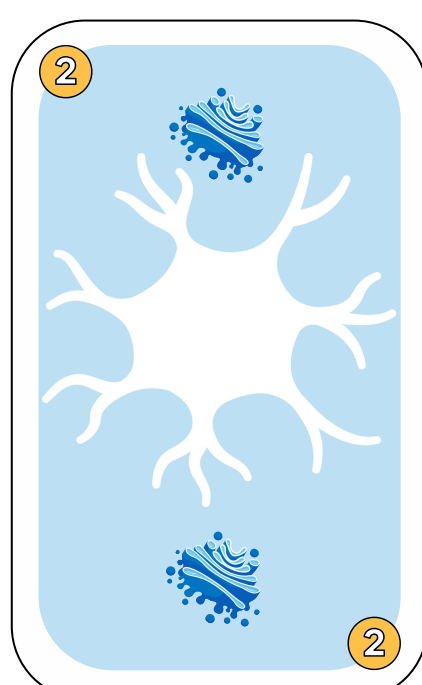
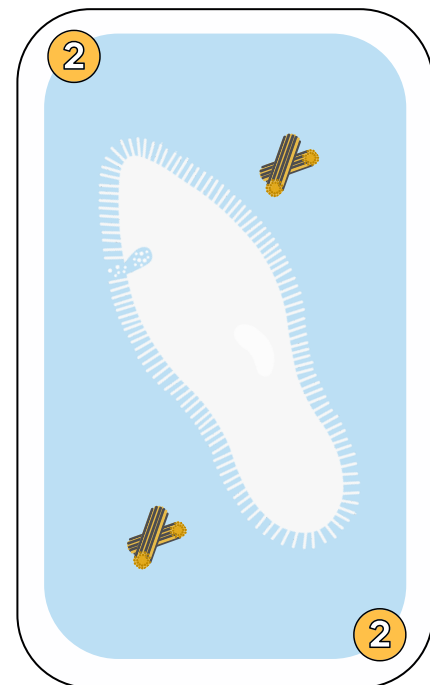
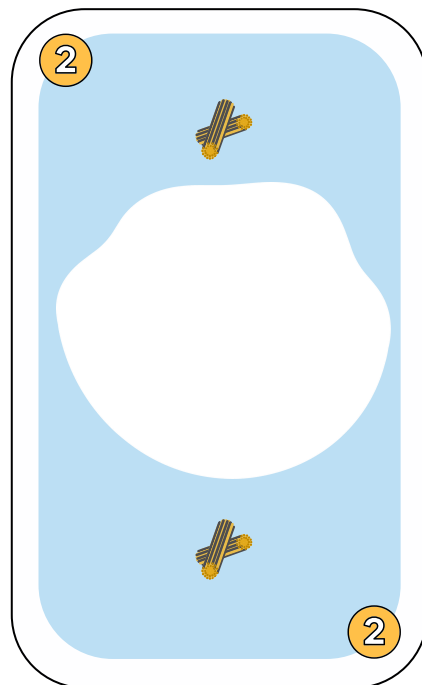
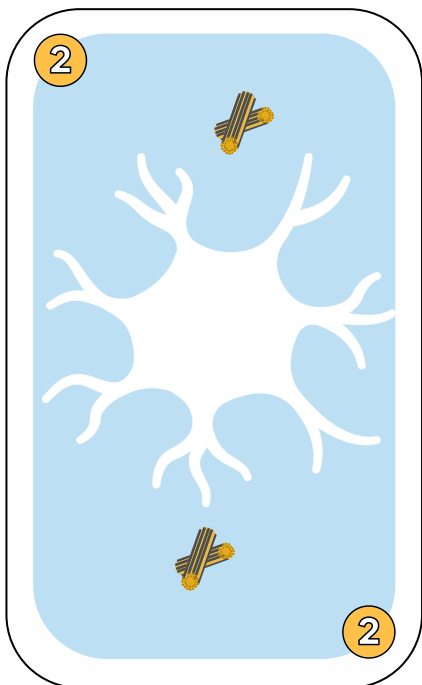
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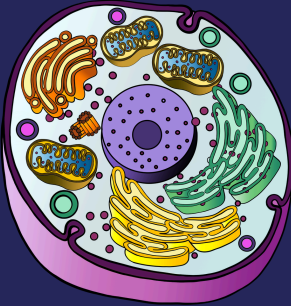
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BLOQUE DE CARTAS III



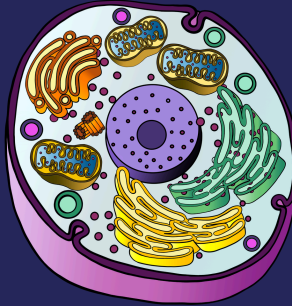
BLOQUE DE CARTAS III

LA CÉLULA



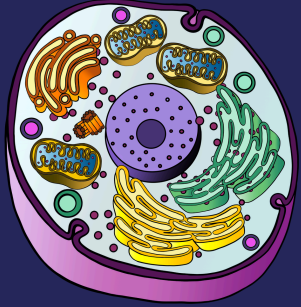
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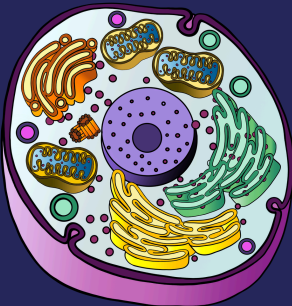
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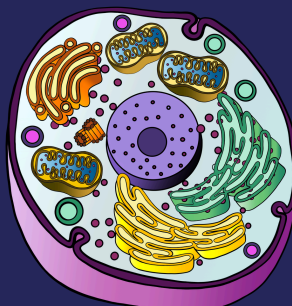
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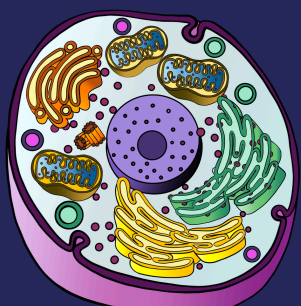
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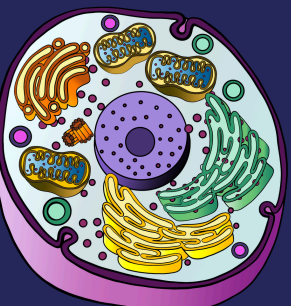
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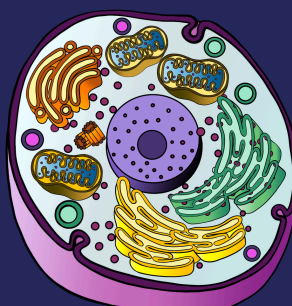
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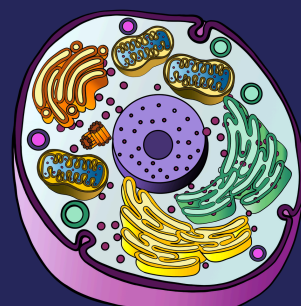
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LA CÉLULA



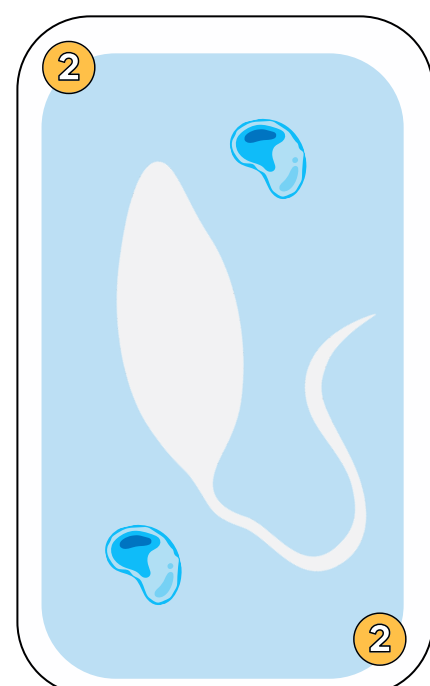
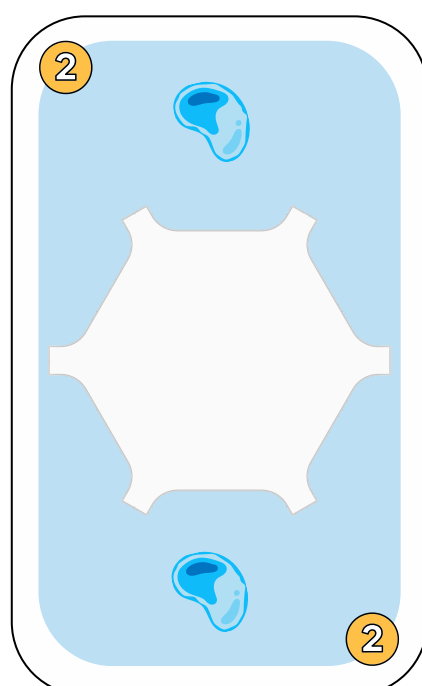
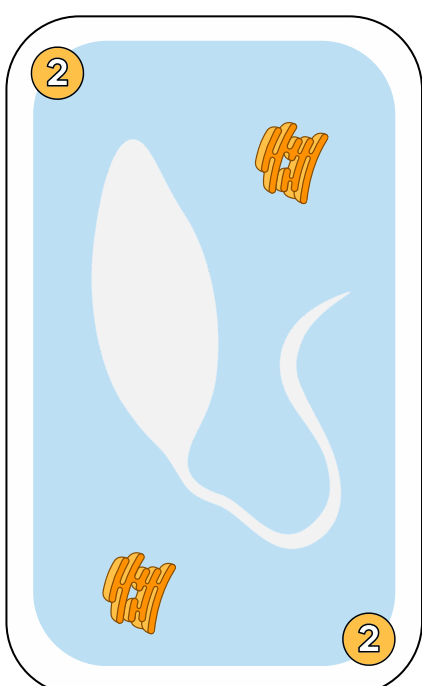
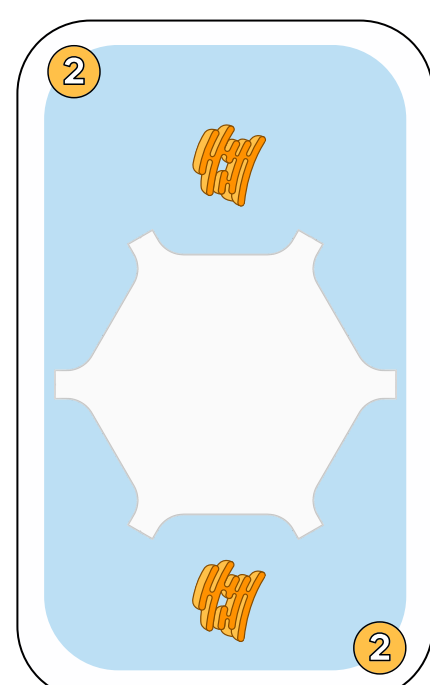
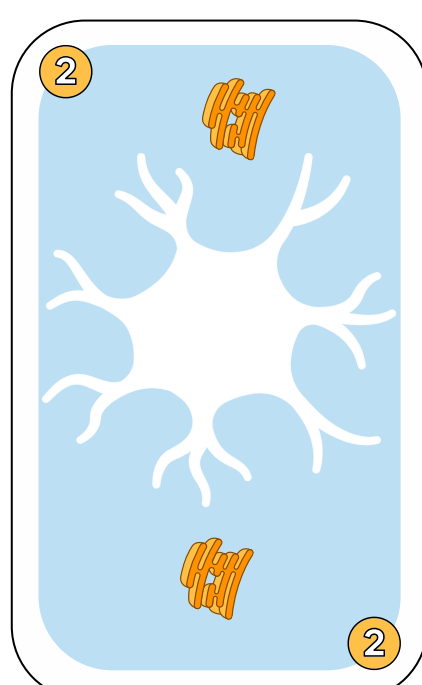
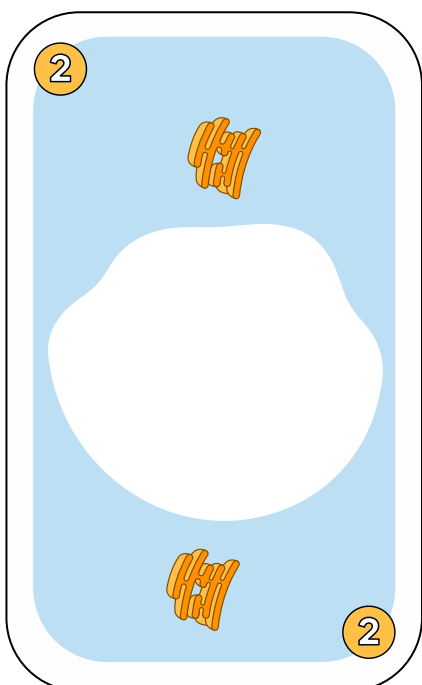
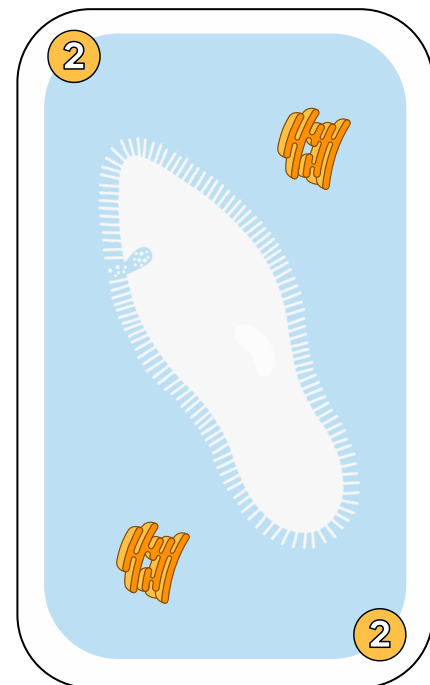
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LA CÉLULA



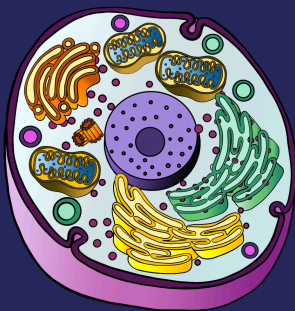
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BLOQUE DE CARTAS IV



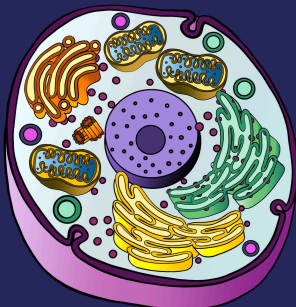
BLOQUE DE CARTAS IV

LA CÉLULA



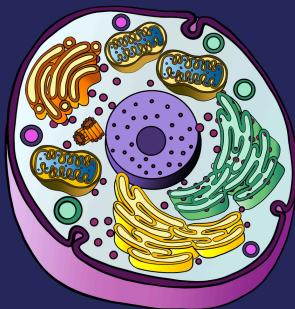
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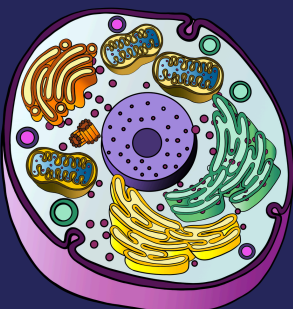
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LA CÉLULA



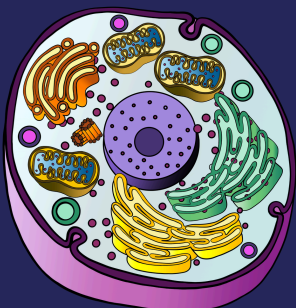
MALDITA

LA CÉLULA



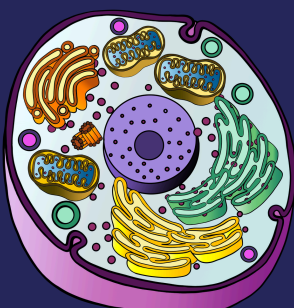
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LA CÉLULA



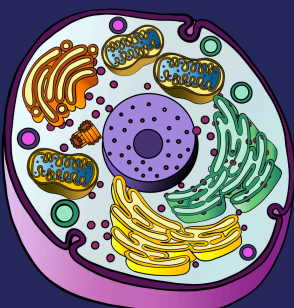
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LA CÉLULA



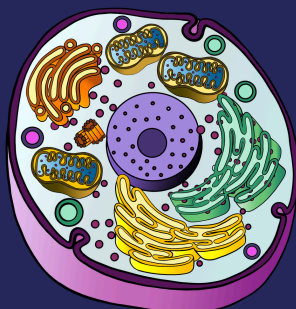
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LA CÉLULA



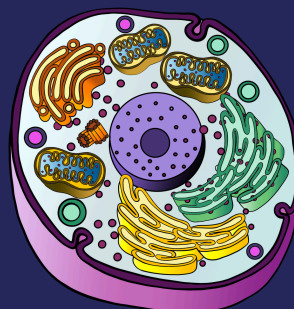
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LA CÉLULA



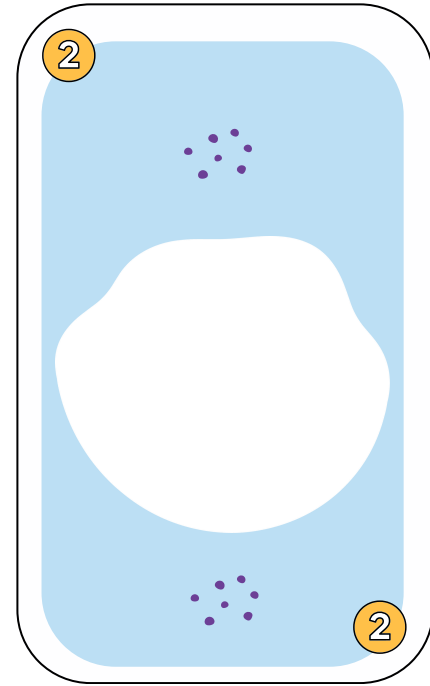
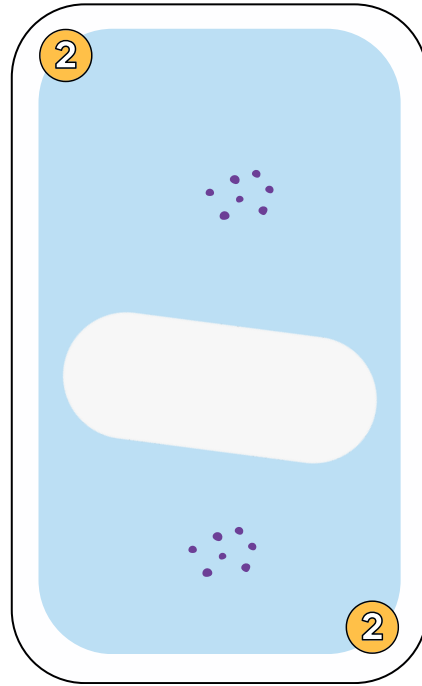
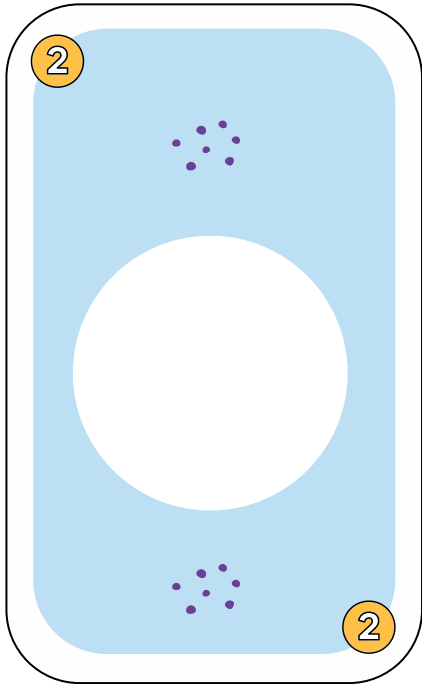
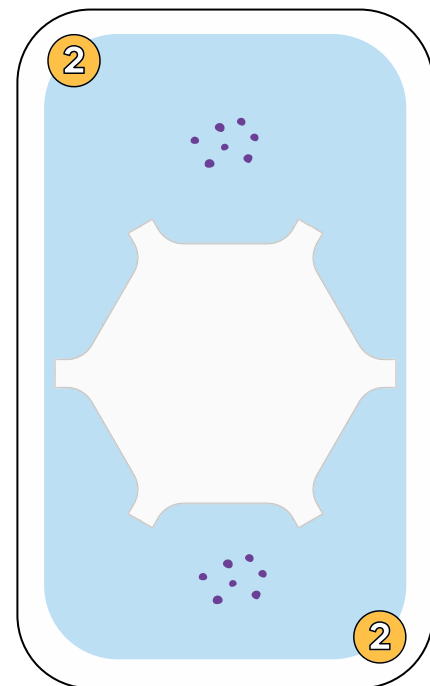
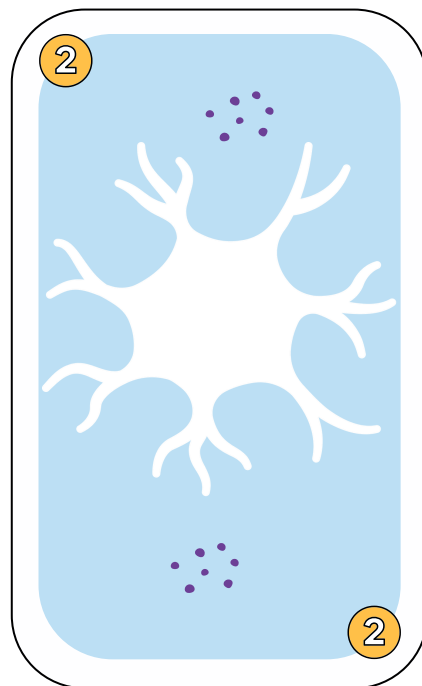
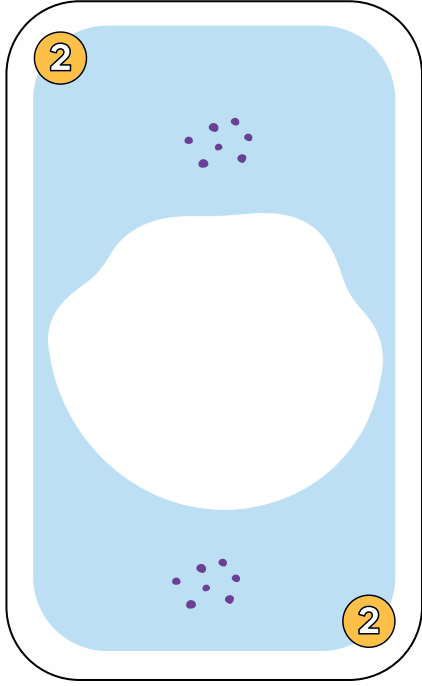
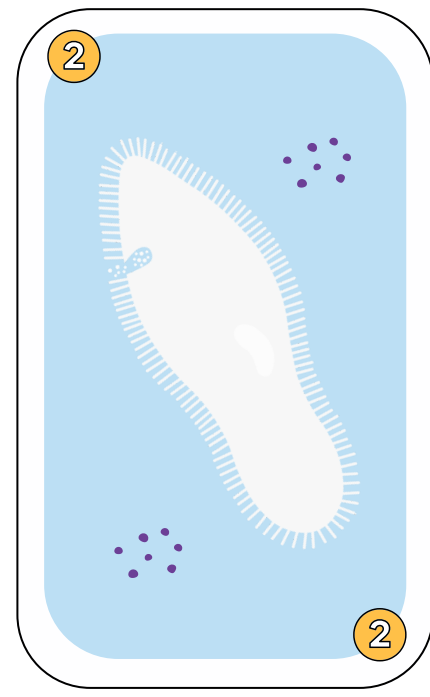
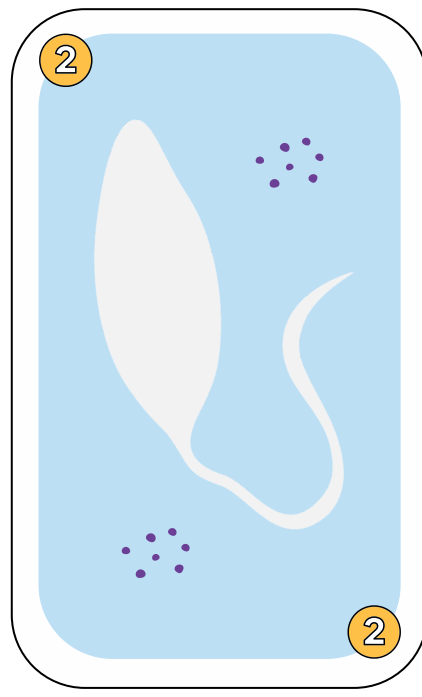
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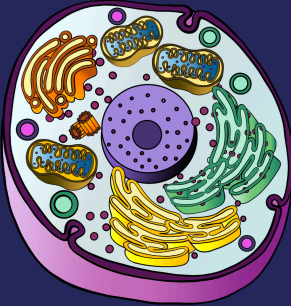
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BLOQUE DE CARTAS V



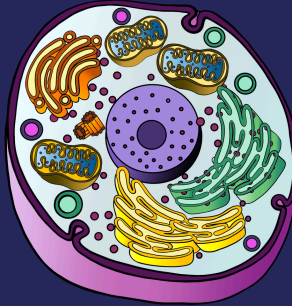
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LA CÉLULA



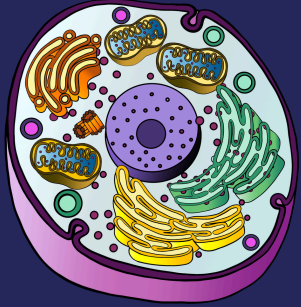
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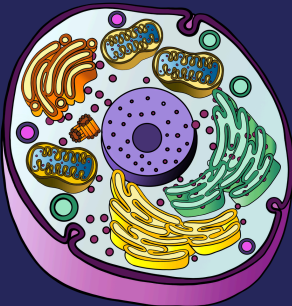
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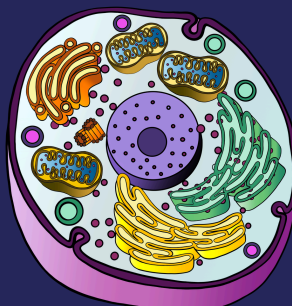
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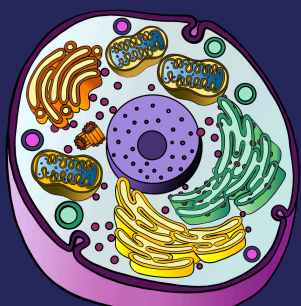
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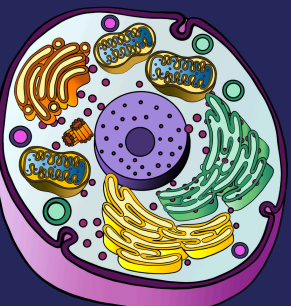
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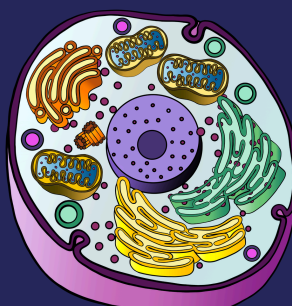
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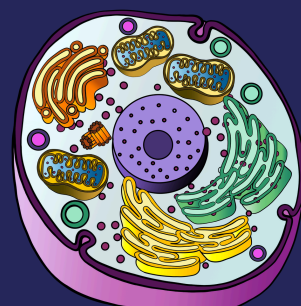
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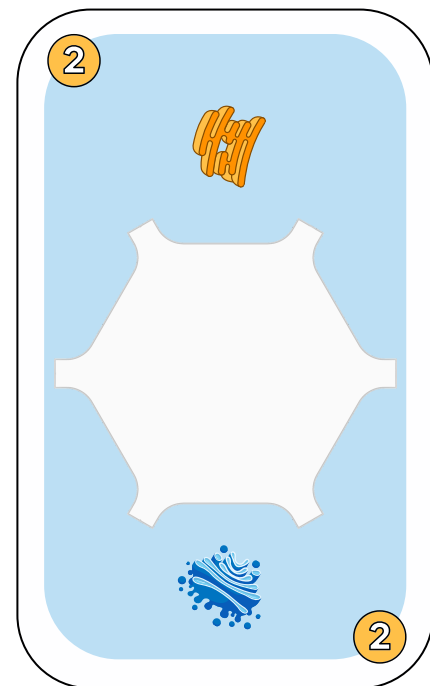
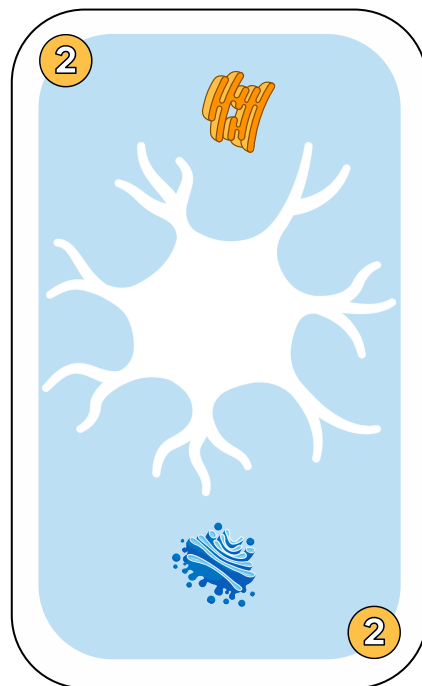
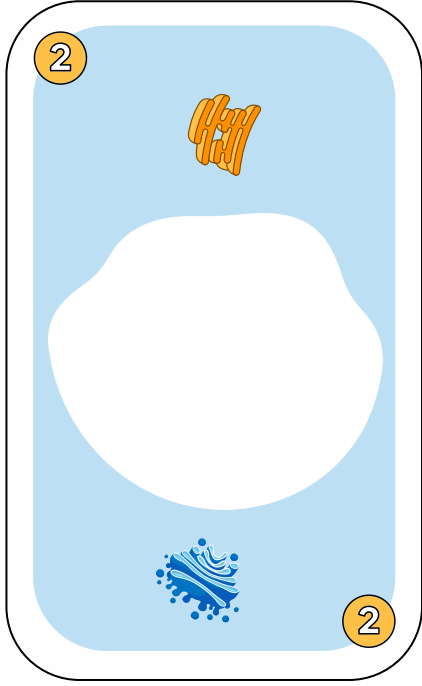
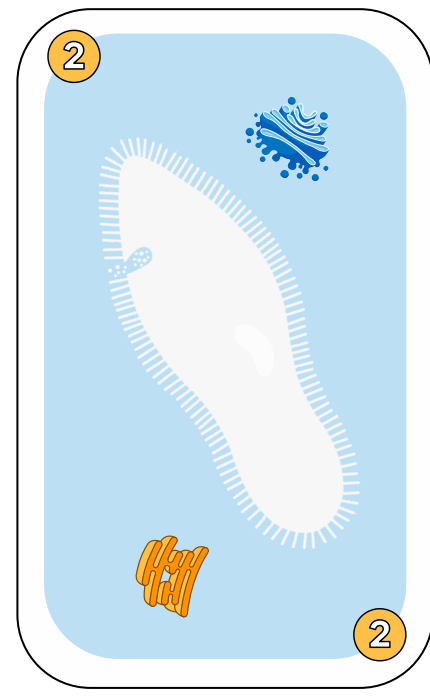
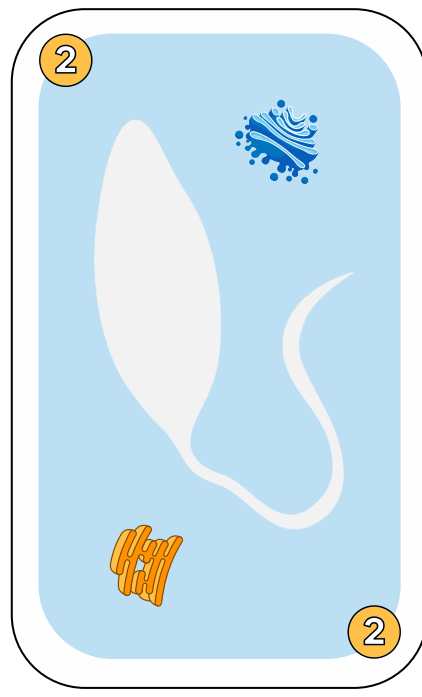
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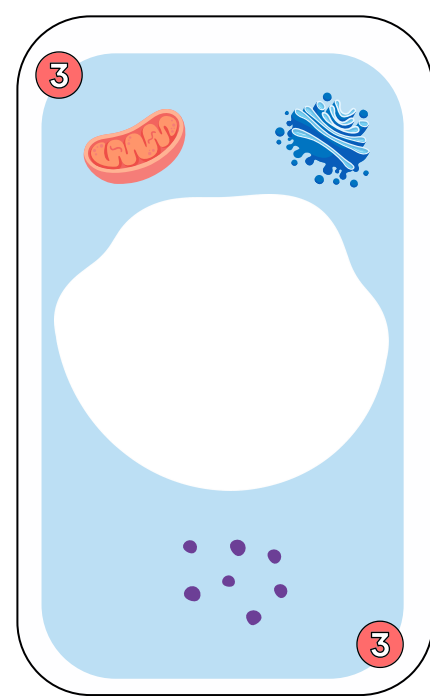
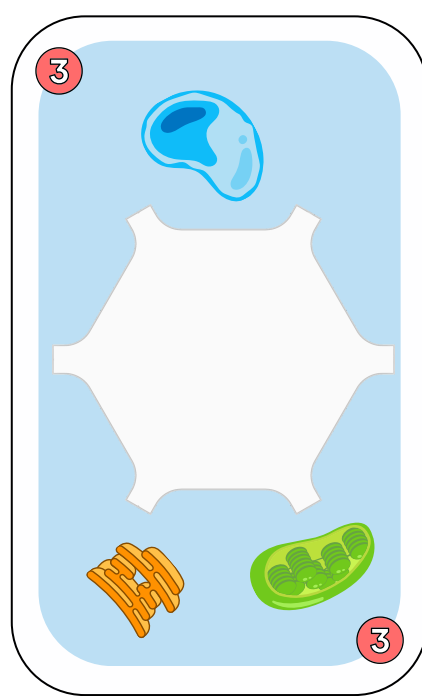
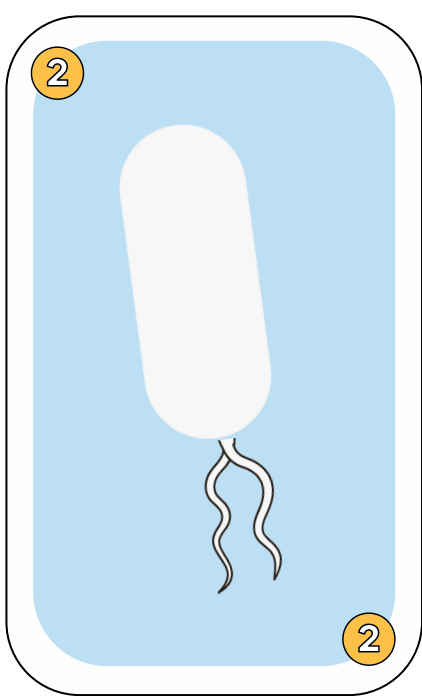


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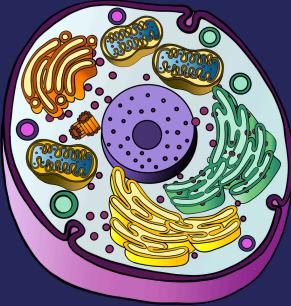
BLOQUE DE CARTAS VI



BLOQUE DE CARTAS VI

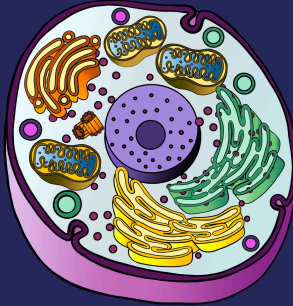


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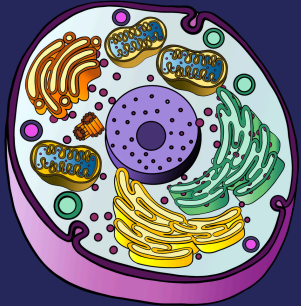
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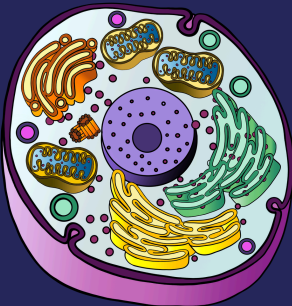
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LA CÉLULA



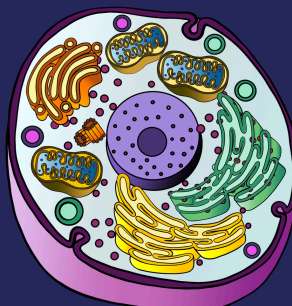
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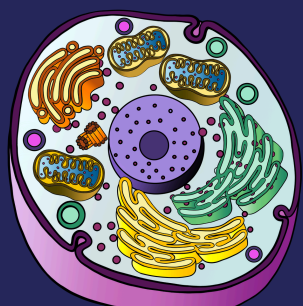
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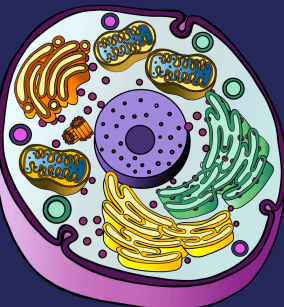
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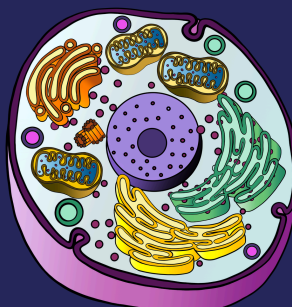
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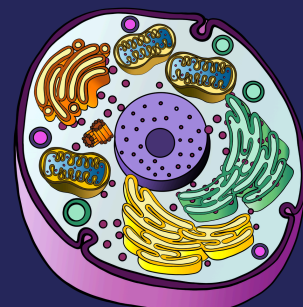
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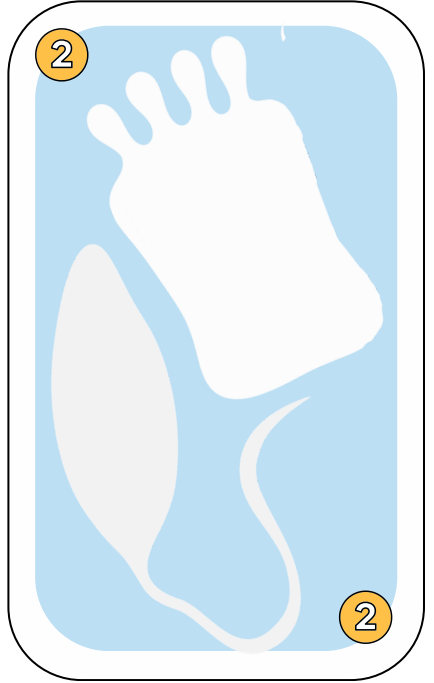
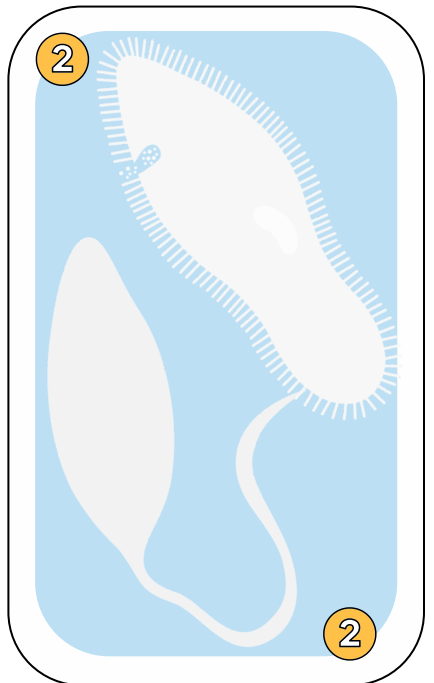
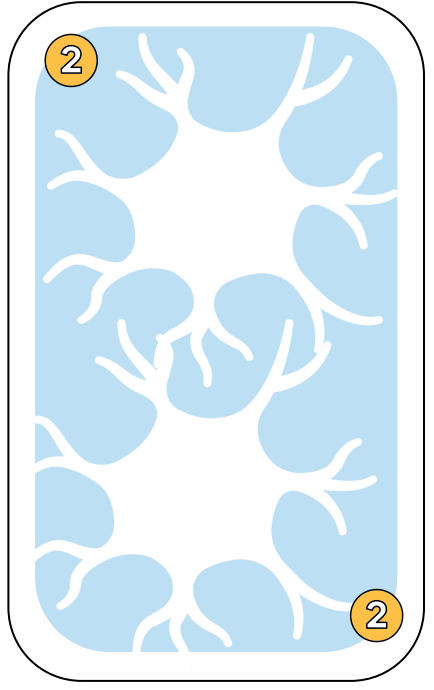
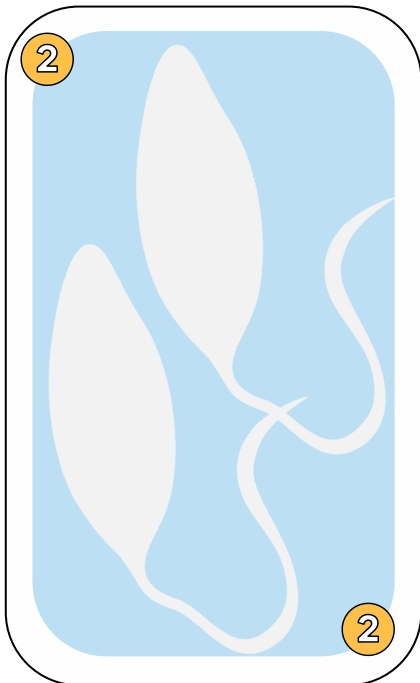
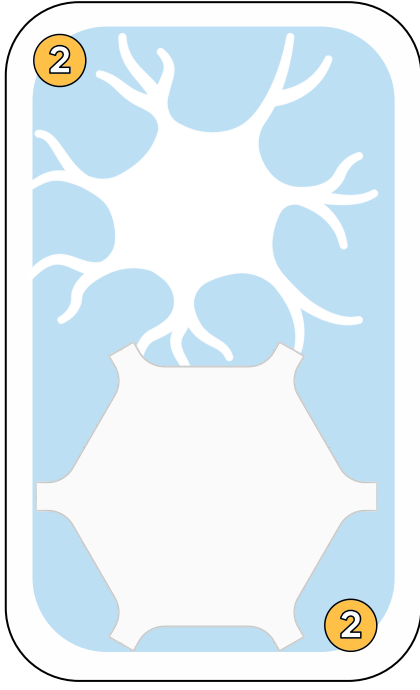
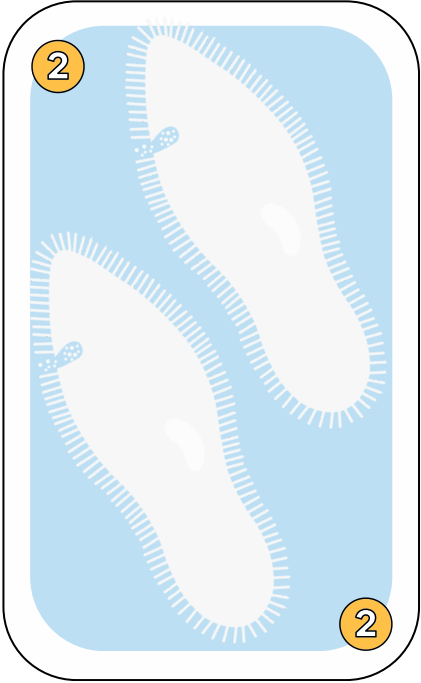
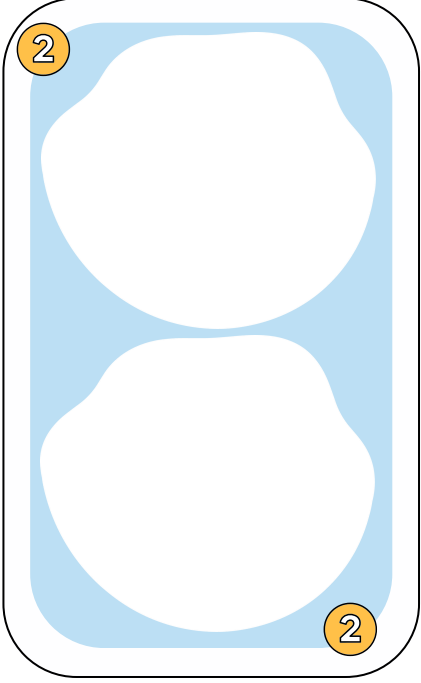
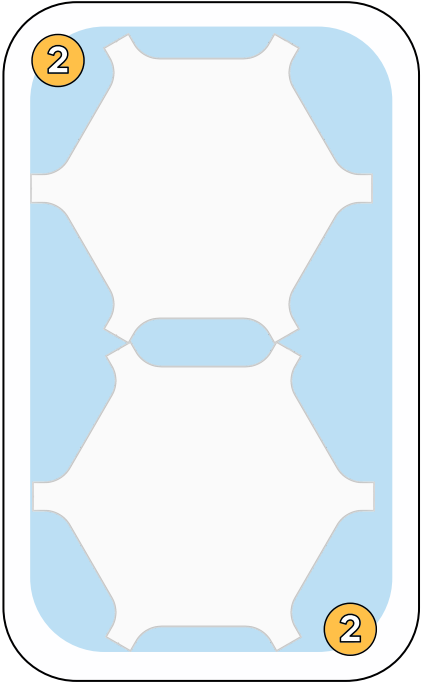
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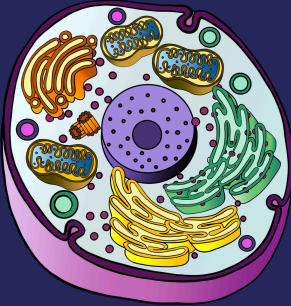
MALDITA

BLOQUE DE CARTAS I



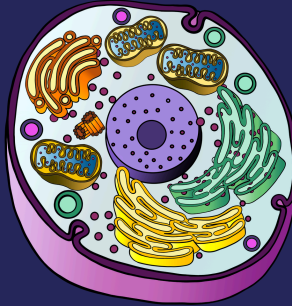
BLOQUE DE CARTAS I

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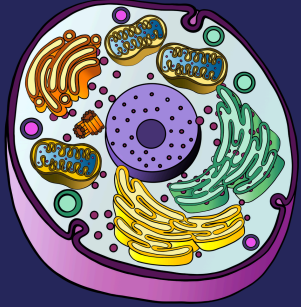
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LA CÉLULA



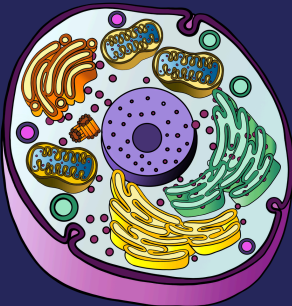
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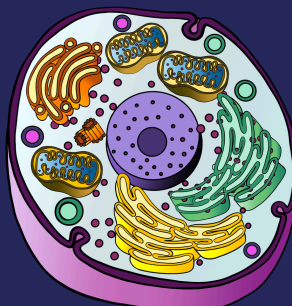
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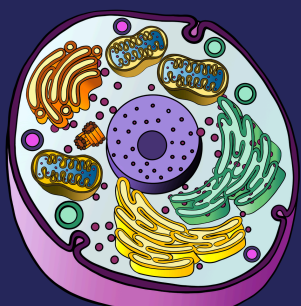
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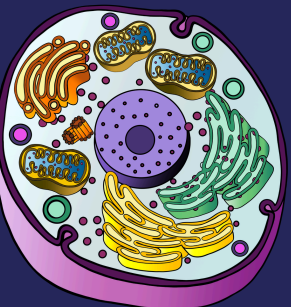
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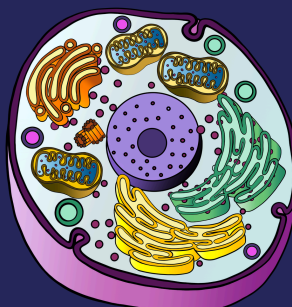
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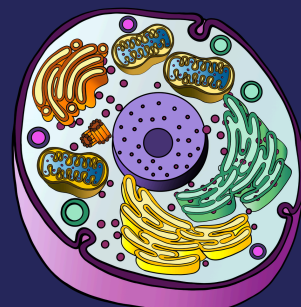
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LA CÉLULA



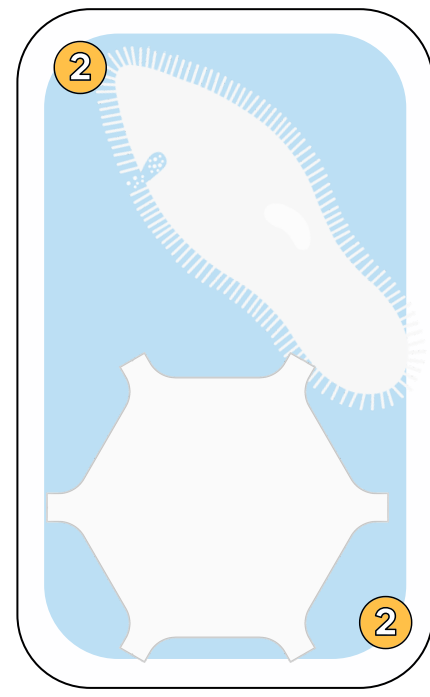
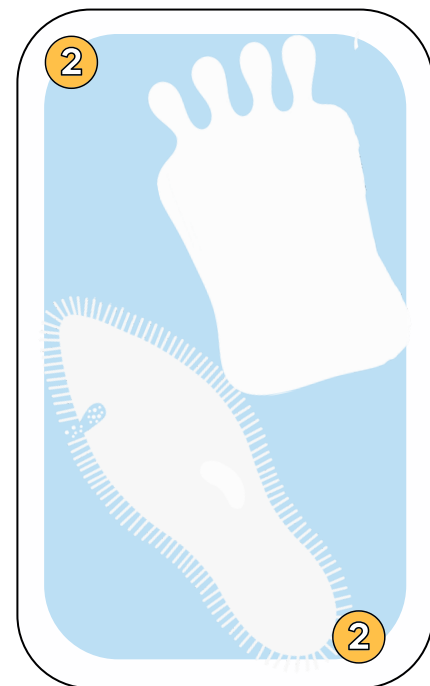
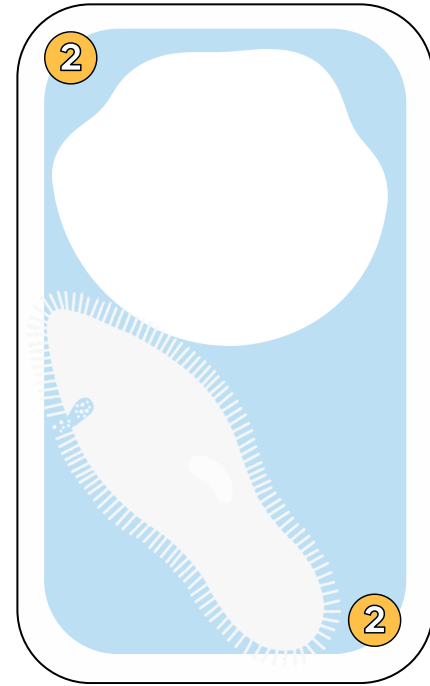
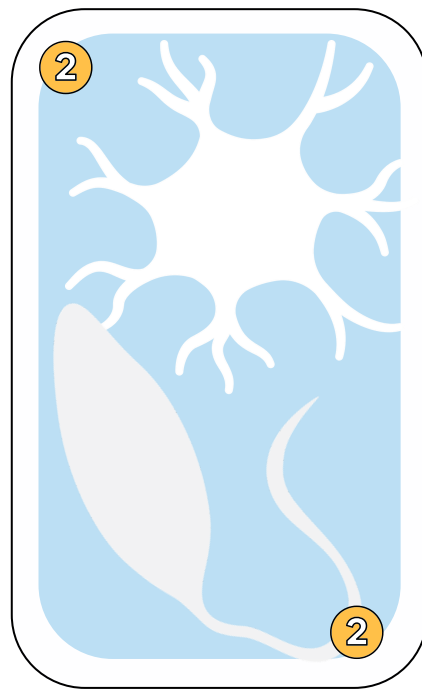
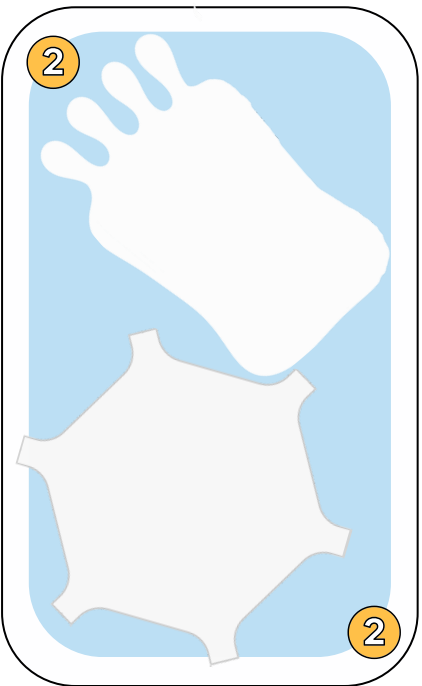
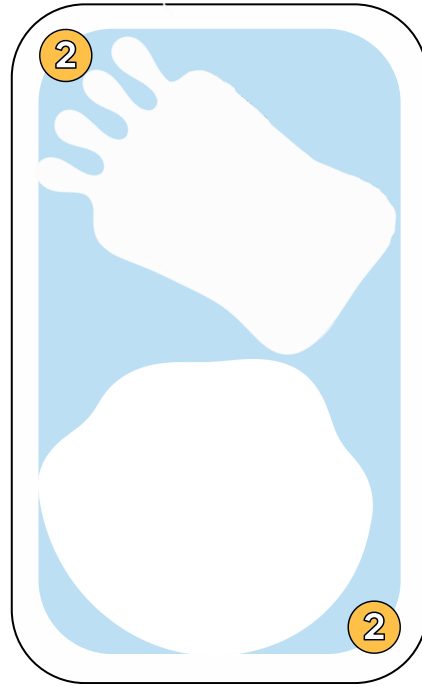
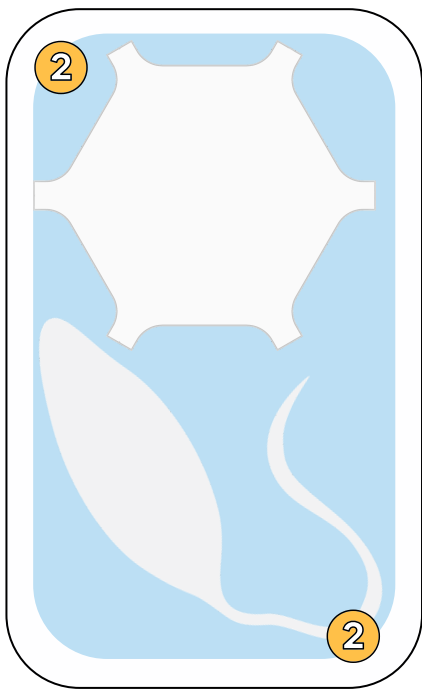
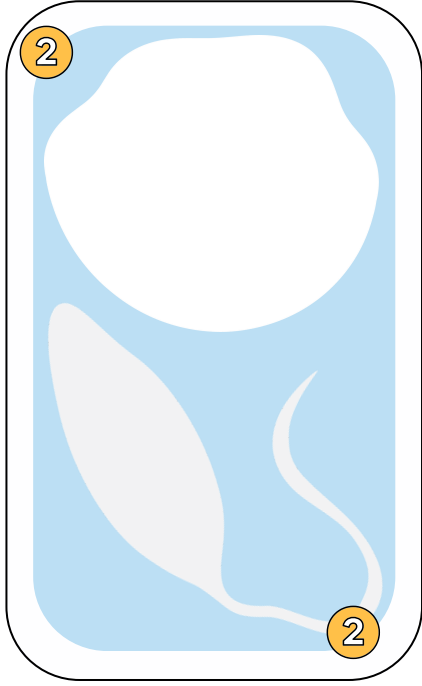
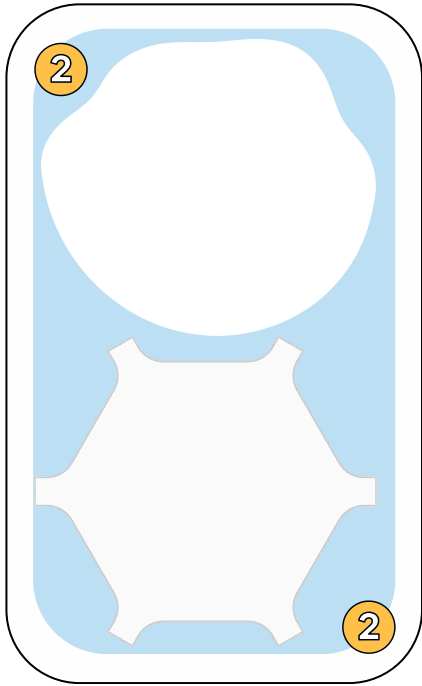
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LA CÉLULA



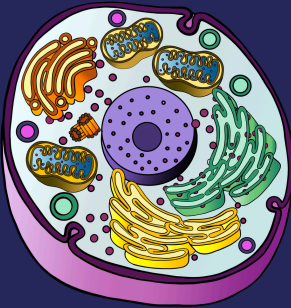
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BLOQUE DE CARTAS I



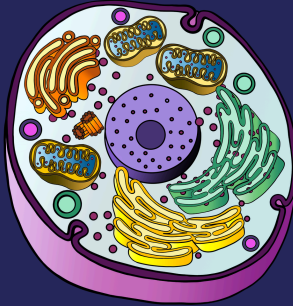
BLOQUE DE CARTAS I

LA CÉLULA



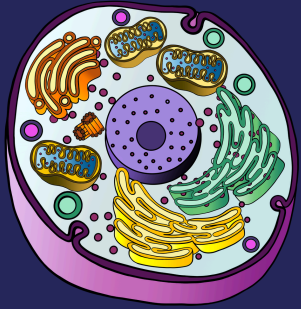
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LA CÉLULA



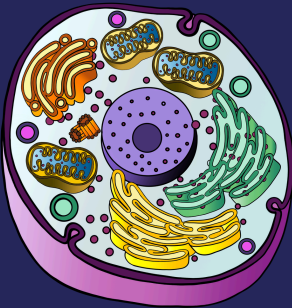
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LA CÉLULA



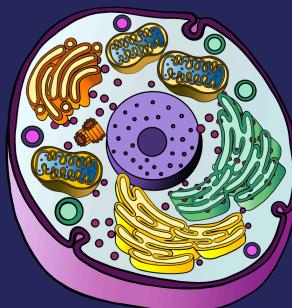
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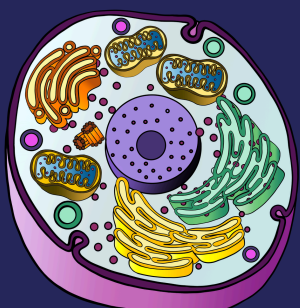
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LA CÉLULA



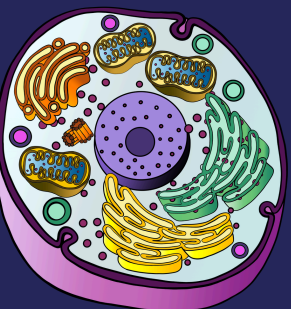
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LA CÉLULA



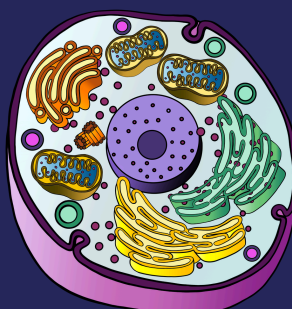
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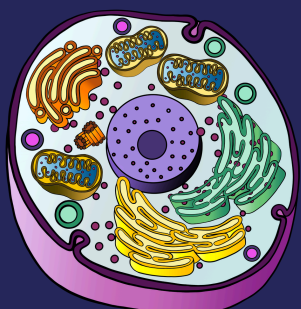
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LA CÉLULA



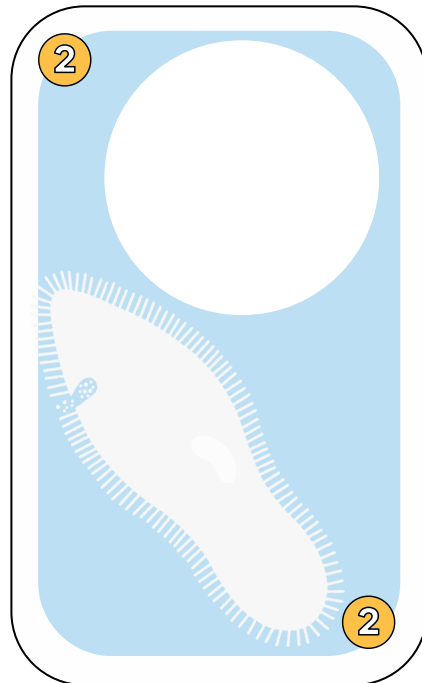
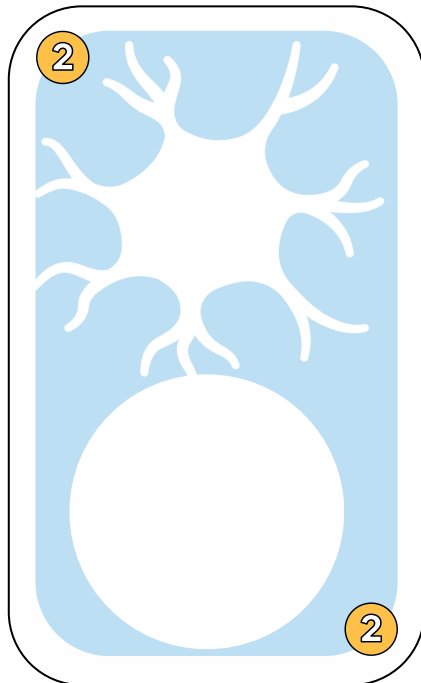
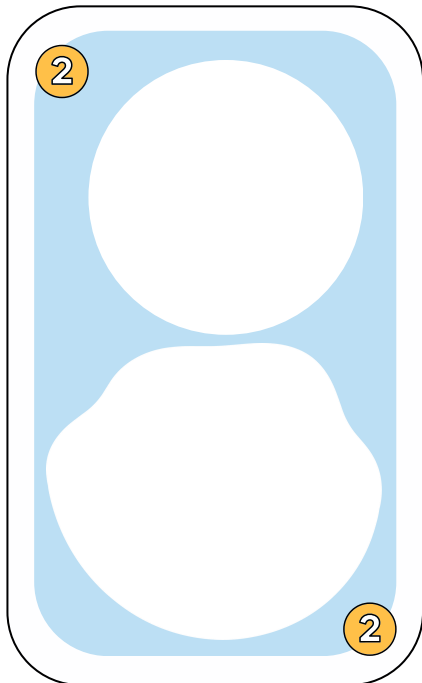
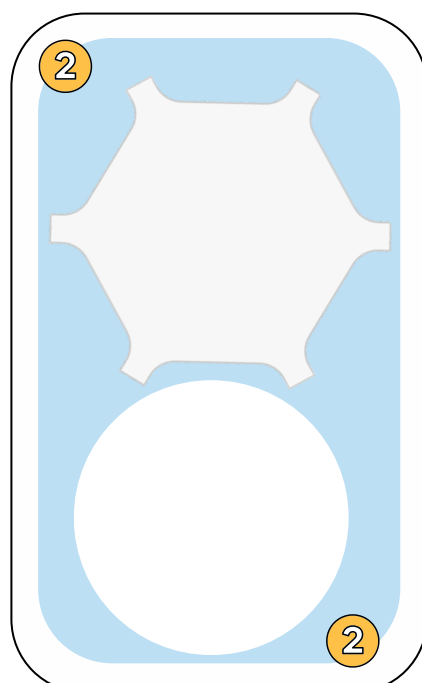
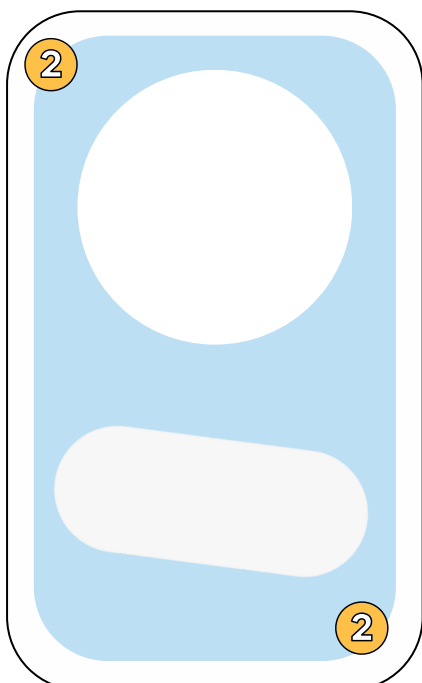
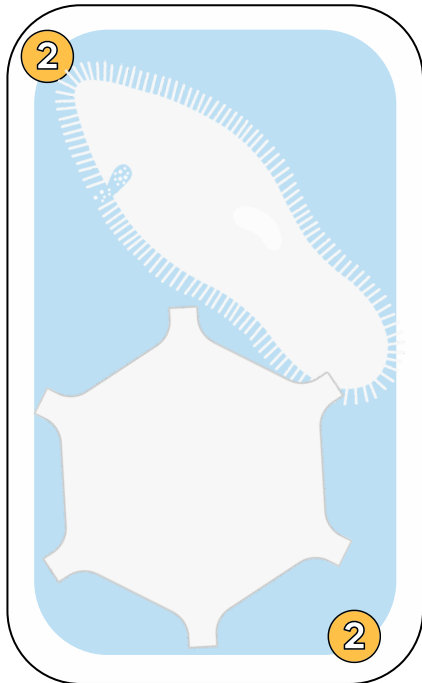
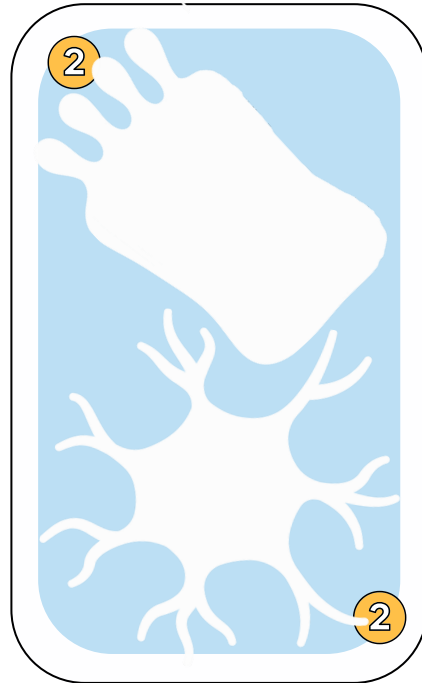
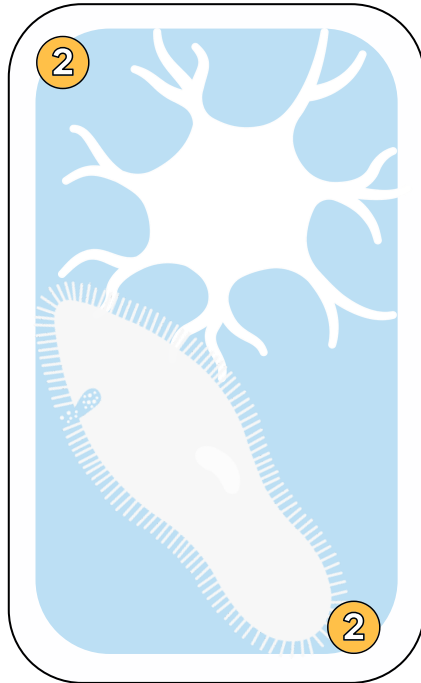
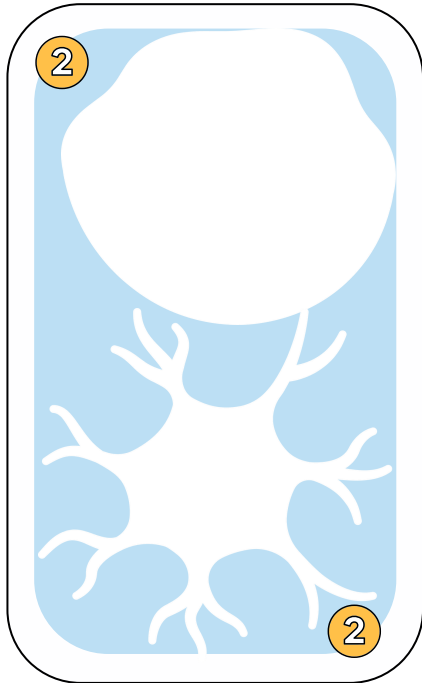
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LA CÉLULA



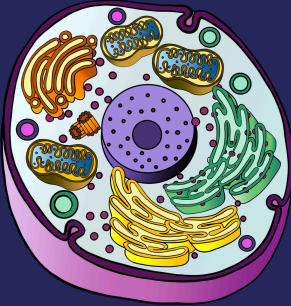
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BLOQUE DE CARTAS I



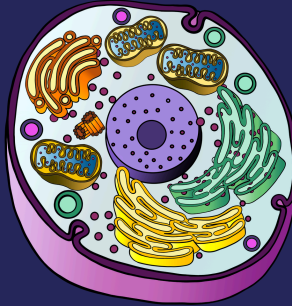
BLOQUE DE CARTAS I

LA CÉLULA



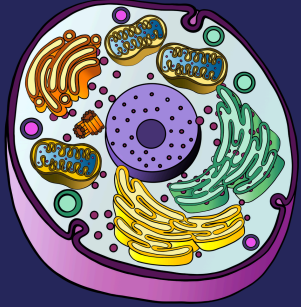
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LA CÉLULA



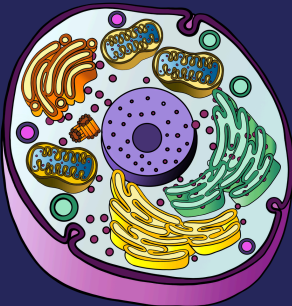
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LA CÉLULA



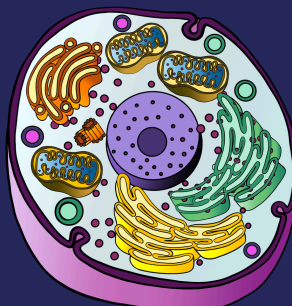
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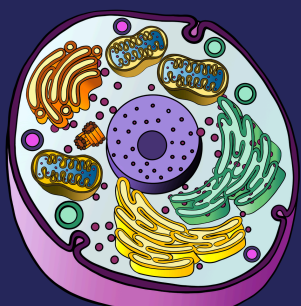
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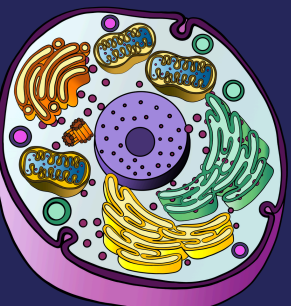
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LA CÉLULA



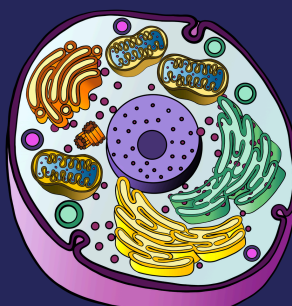
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LA CÉLULA



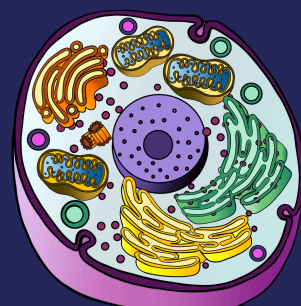
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LA CÉLULA



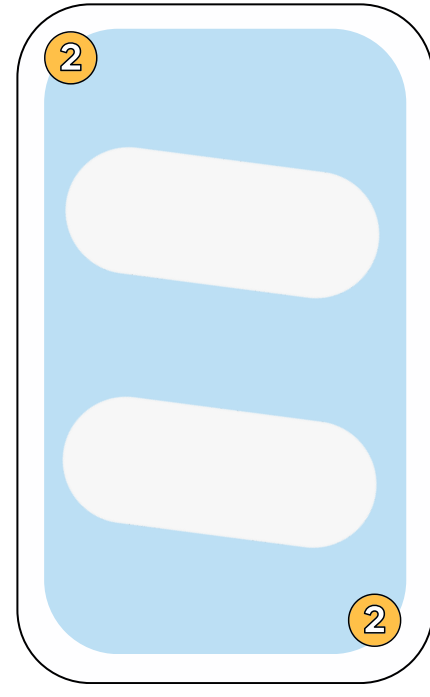
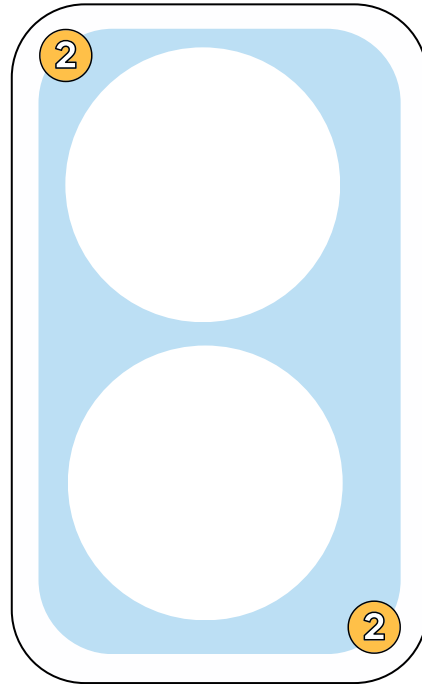
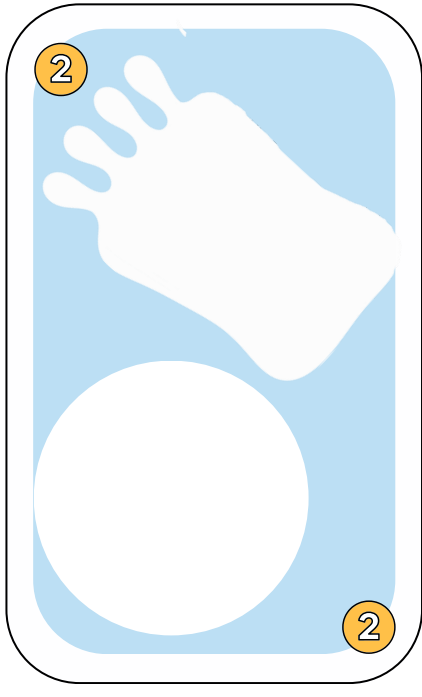
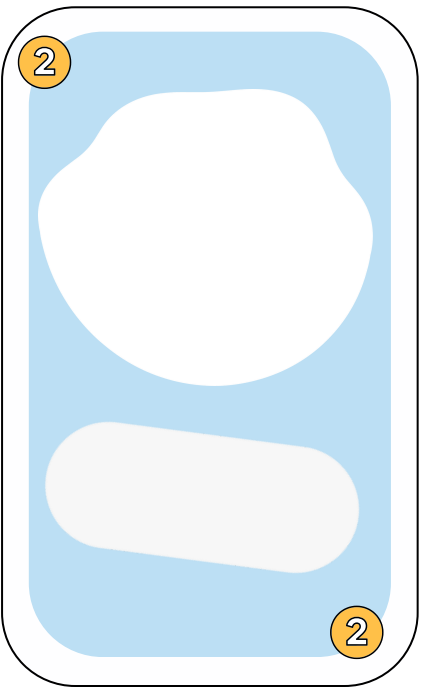
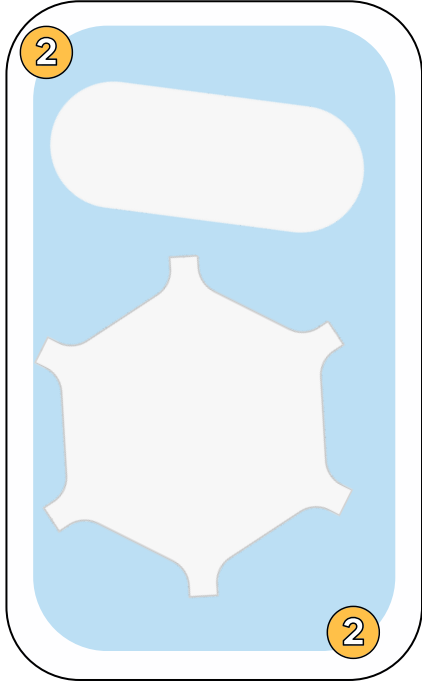
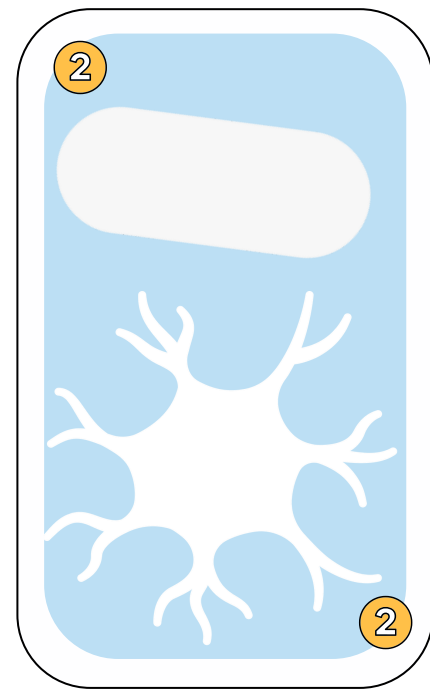
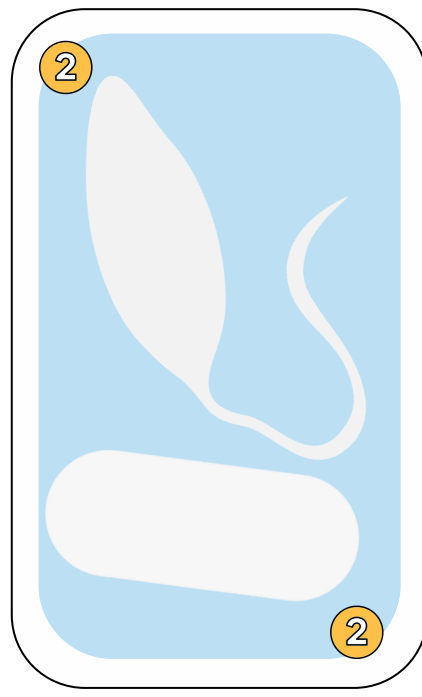
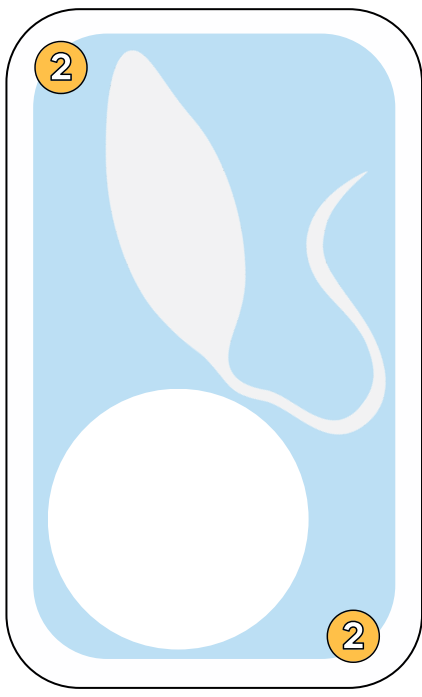
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LA CÉLULA



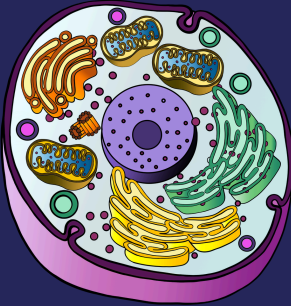
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BLOQUE DE CARTAS I



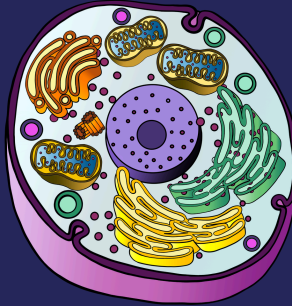
BLOQUE DE CARTAS I

LA CÉLULA



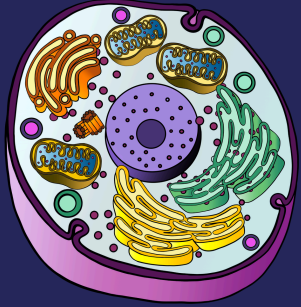
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LA CÉLULA



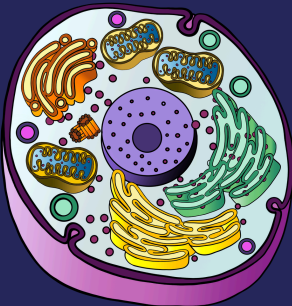
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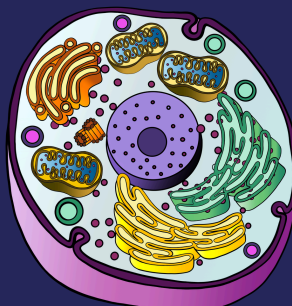
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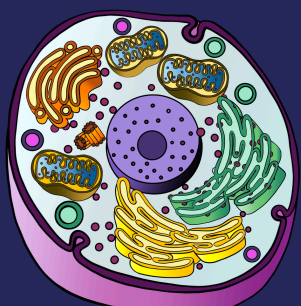
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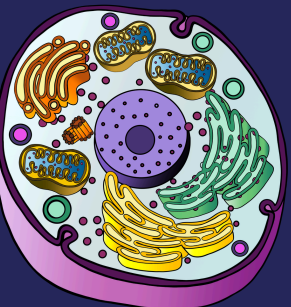
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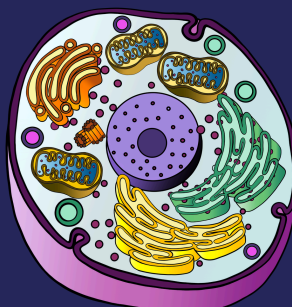
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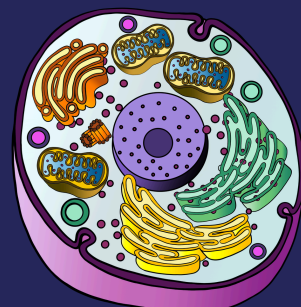
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LA CÉLULA



MALDITA

LA CÉLULA



MALDITA

**CUALQUIER
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PROCARIOTA**

**CUALQUIER
CÉLULA
EUCARIOTA**

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CÉLULA
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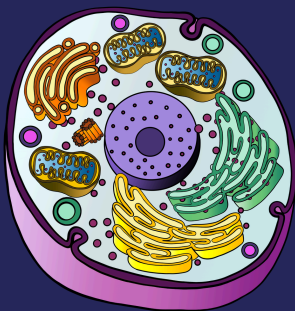
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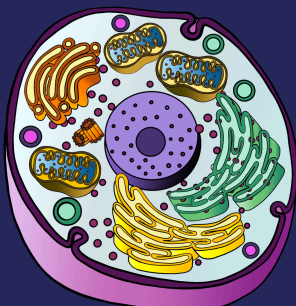
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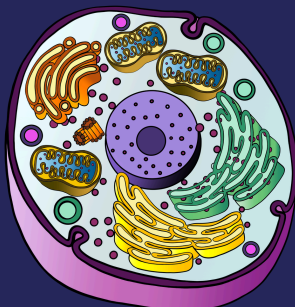
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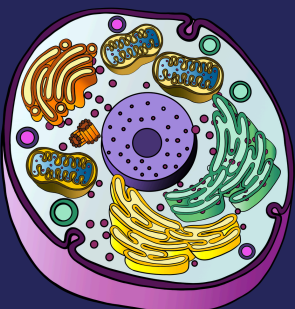
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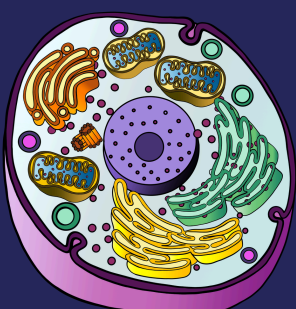
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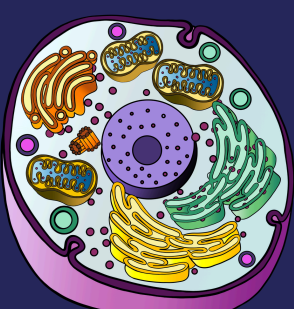
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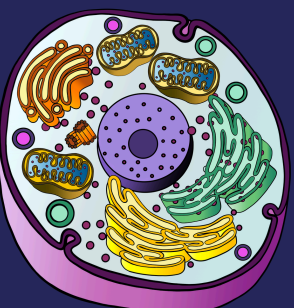
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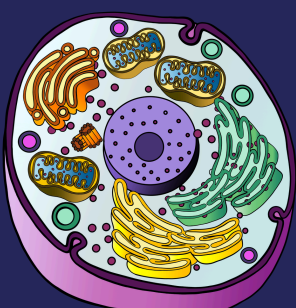
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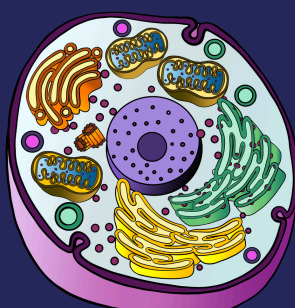
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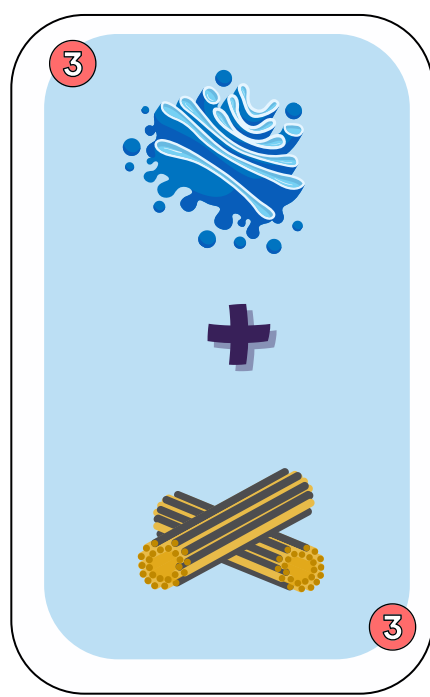
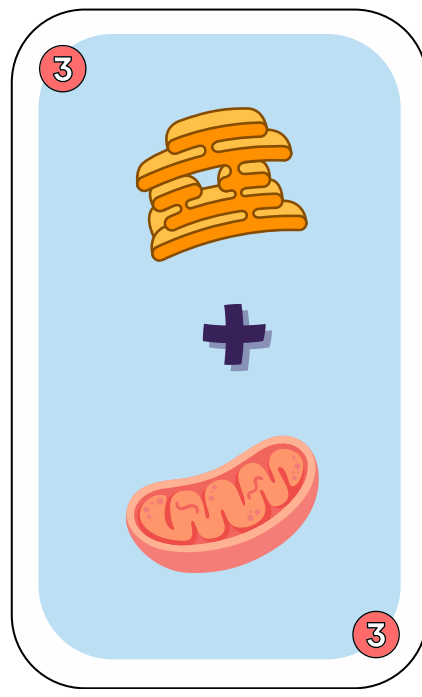
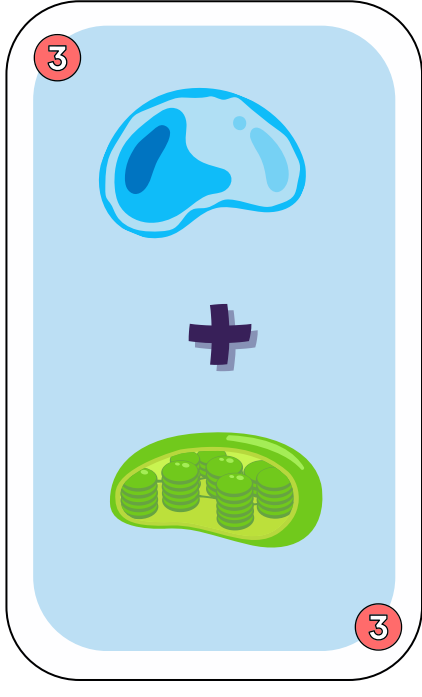
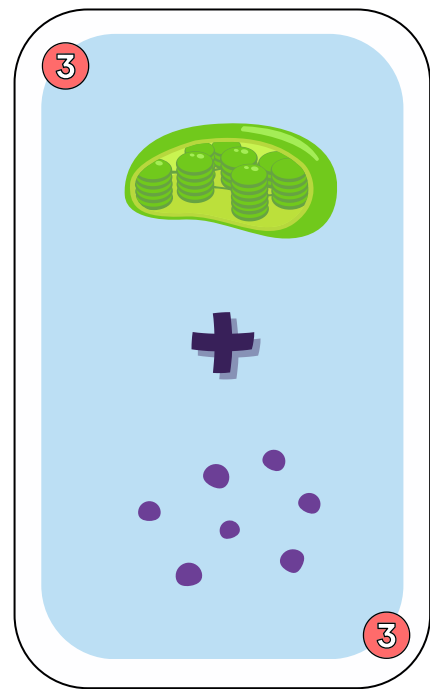
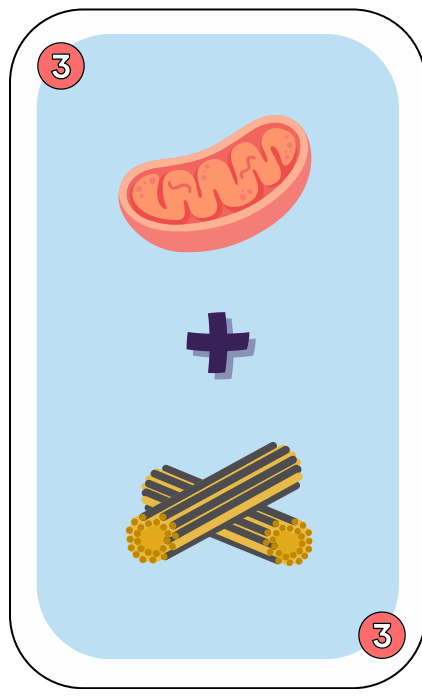
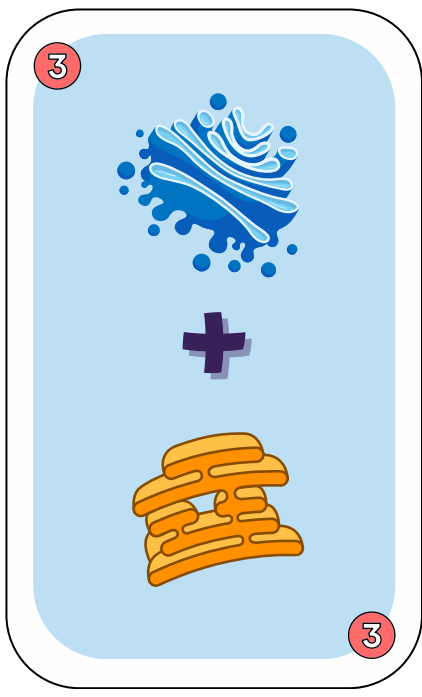
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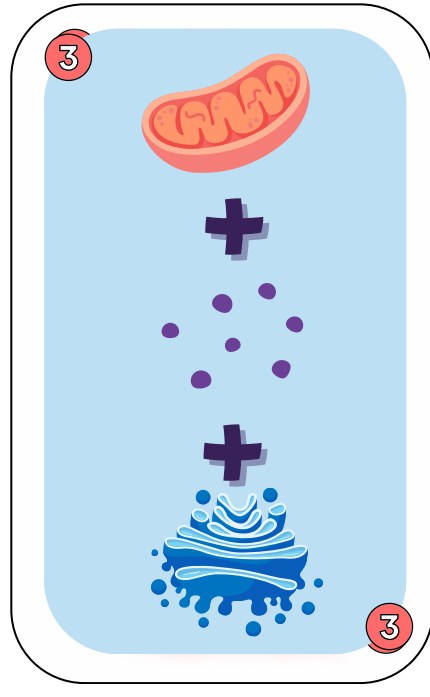
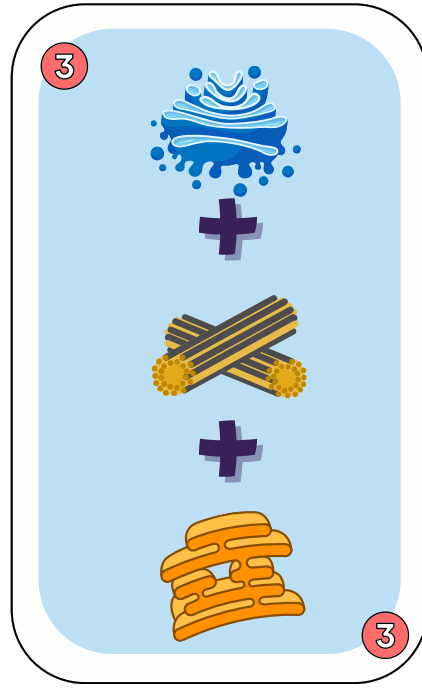
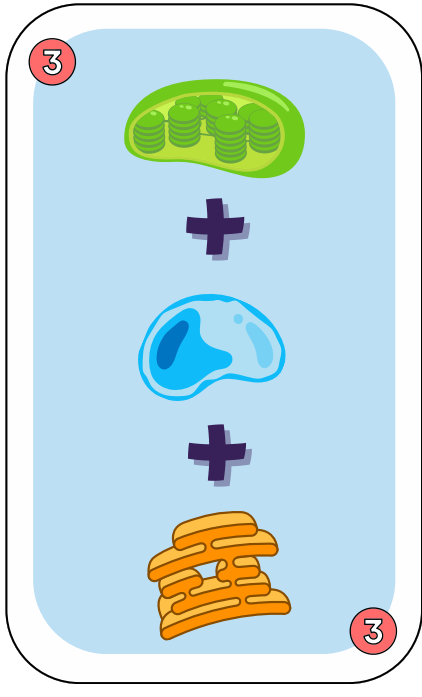


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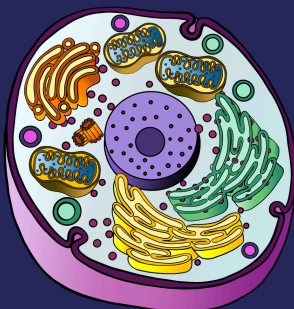
BLOQUE DE CARTAS II



BLOQUE DE CARTAS II

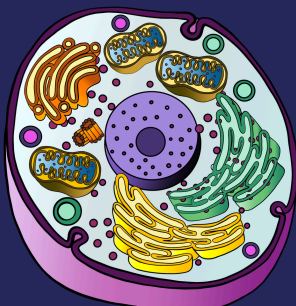


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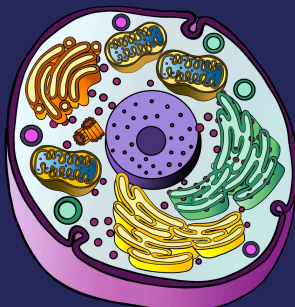
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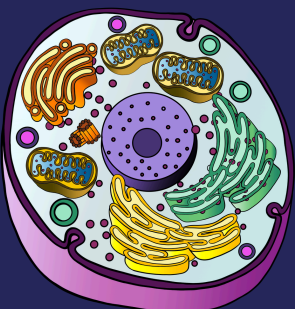
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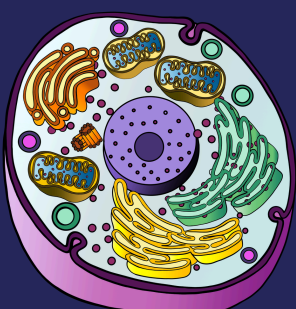
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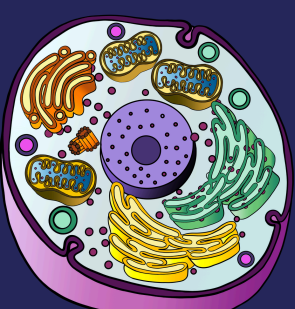
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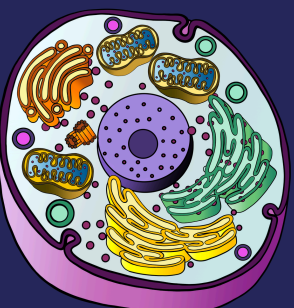
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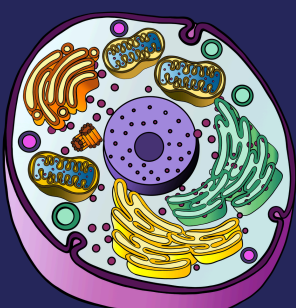
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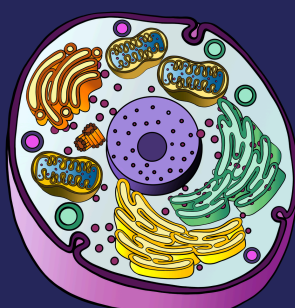
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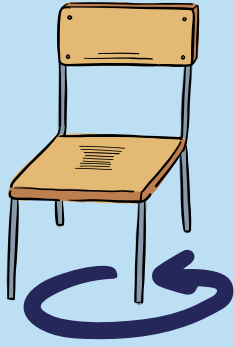


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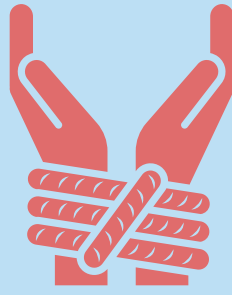
LA CÉLULA



MALDITA



Cuando completes una carta debes dar una vuelta a tu silla para continuar



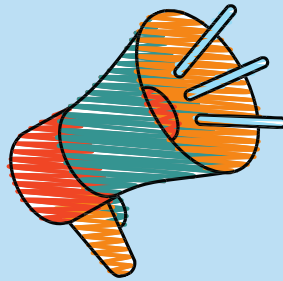
Con una mano a la espalda, esta partida, debes jugar



Este turno debes jugar con una carta más



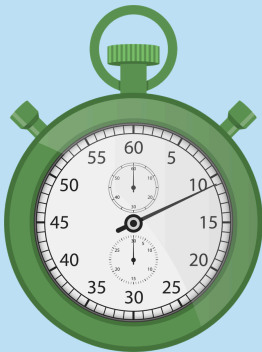
Tus rivales jugarán con sus cartas boca arriba y podrán completarlas en el orden que deseen. Tú, no.



Antes de completar cada carta deberás comunicar en voz alta el taza que vas a buscar



Debes completar dos veces la carta de mayor valor que tengas en esta partida



Comenzarás esta partida 5 segundos después de que comiencen tus rivales



En esta partida vas a jugar con una carta de más que debes robar del rival que desees



Antes de completar cada carta de juego deberás levantarte de la silla y gritar "maldición, maldición y tres veces maldición"

MALDICIONES

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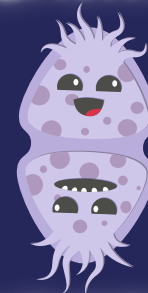
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MALDICIONES



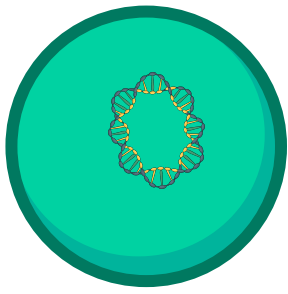
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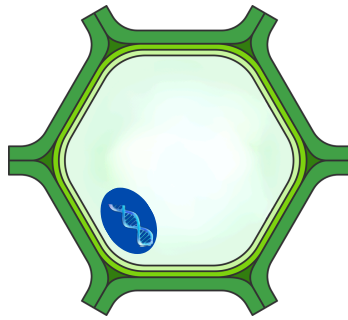


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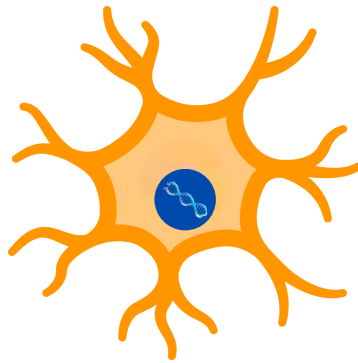
TAZOS CELULARES



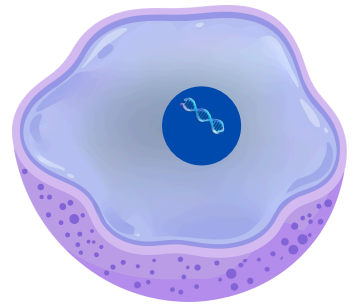
COCO



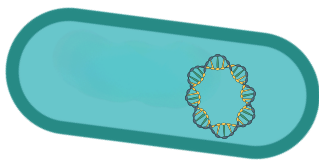
CÉLULA VEGETAL



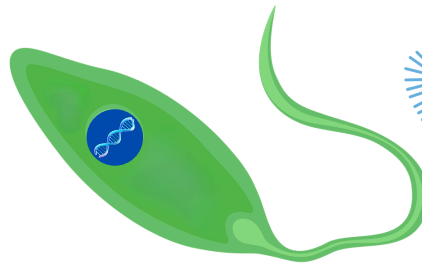
NEURONA



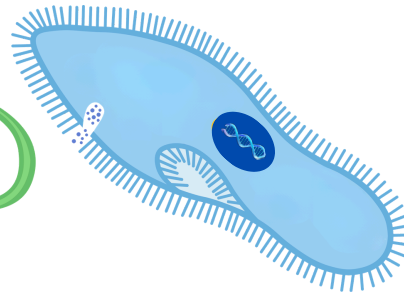
CÉLULA ANIMAL



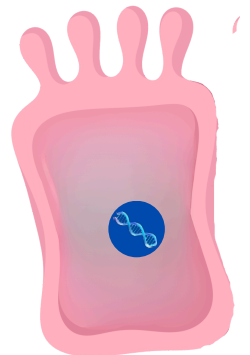
BACILO



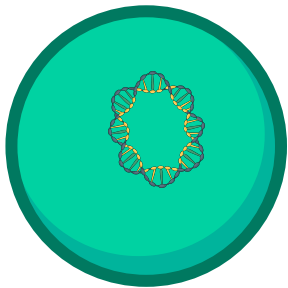
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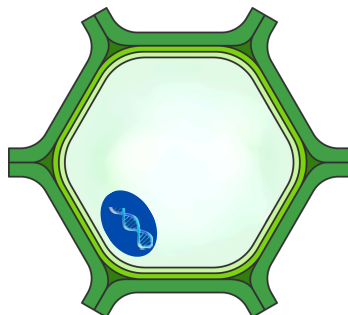
PARAMECIO



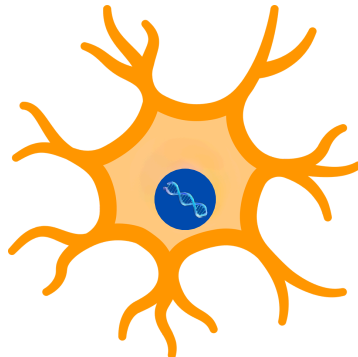
CÉLULA EPITELIAL



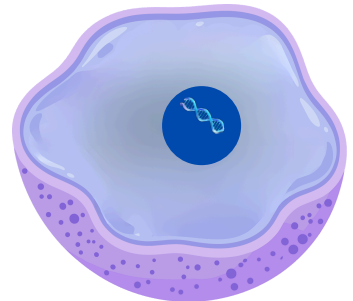
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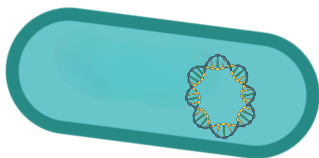
CÉLULA VEGETAL



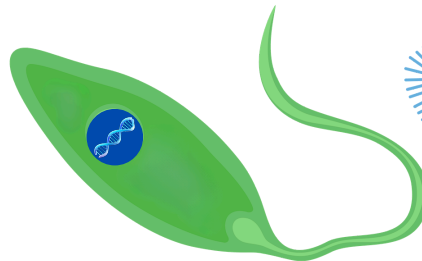
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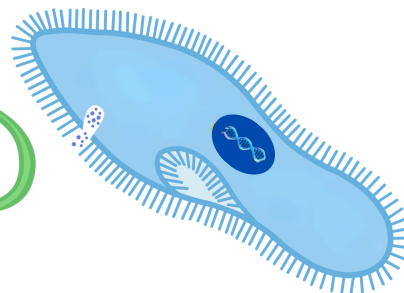
CÉLULA ANIMAL



BACILO



EUGLENA

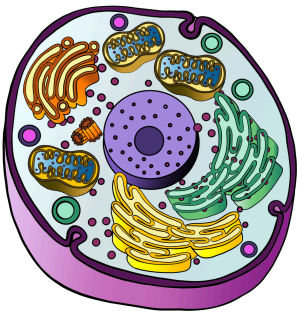


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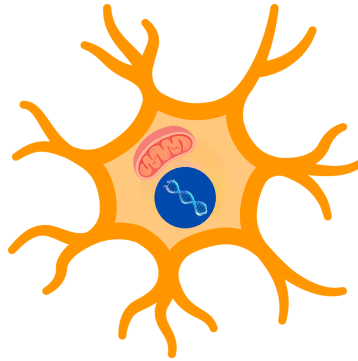


CÉLULA EPITELIAL

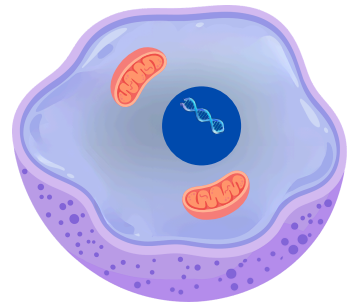
TAZOS CELULARES MITOCONDRIA



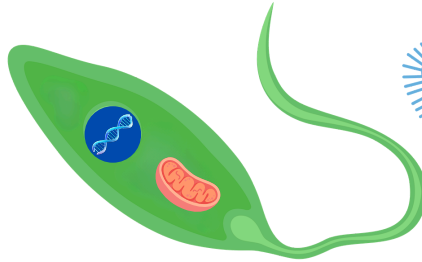
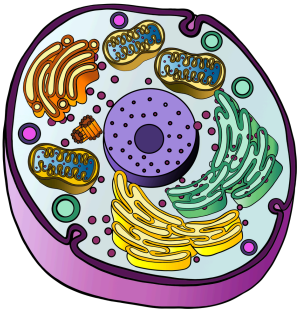
CÉLULA VEGETAL



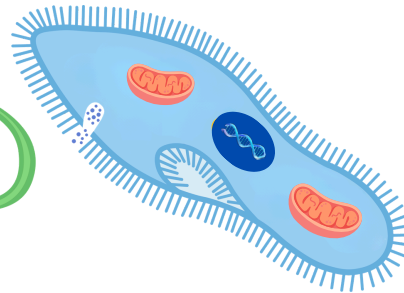
NEURONA



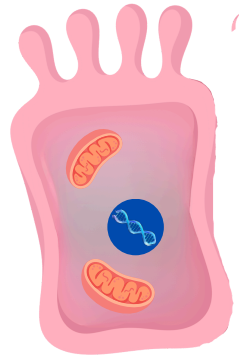
CÉLULA ANIMAL



EUGLENA



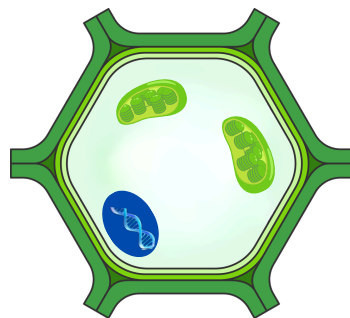
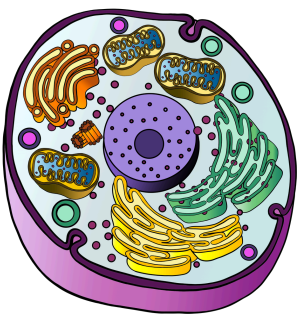
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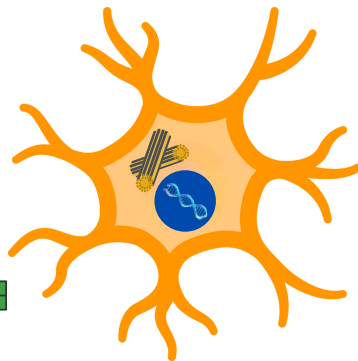
CÉLULA EPITELIAL

TAZOS CELULARES CLOROPLASTO

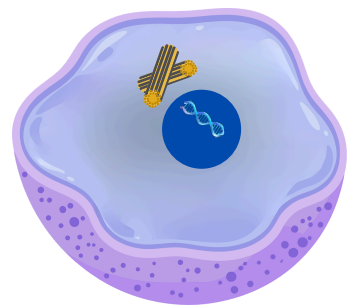
TAZOS CELULARES CENTROSOMA



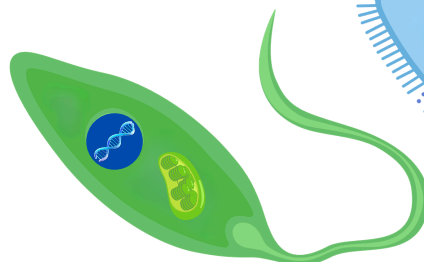
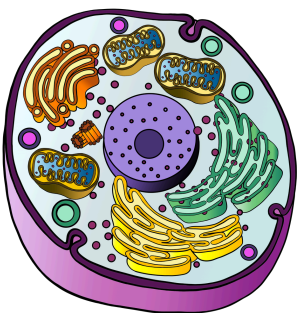
CÉLULA VEGETAL



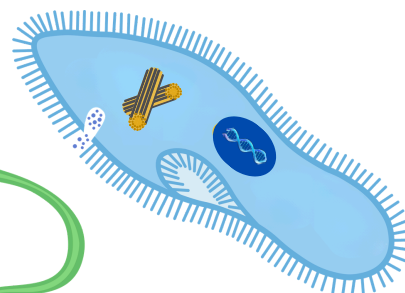
NEURONA



CÉLULA ANIMAL



EUGLENA

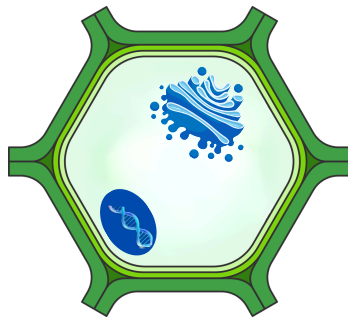
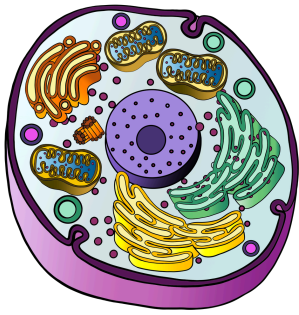


PARAMECIO

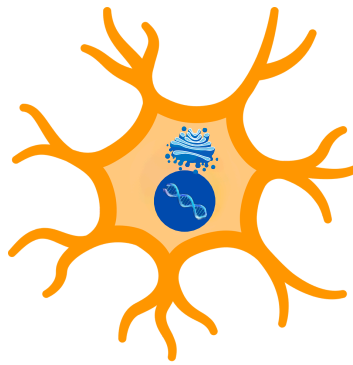


CÉLULA EPITELIAL

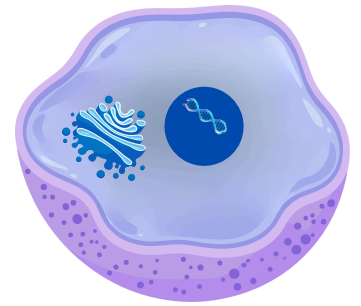
TAZOS CELULARES GOLGI



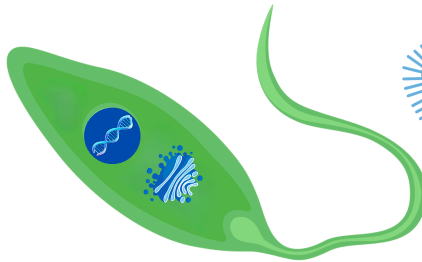
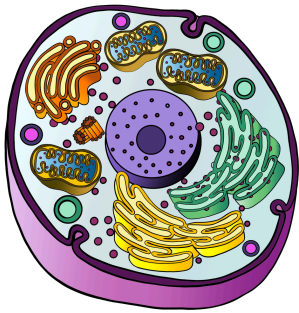
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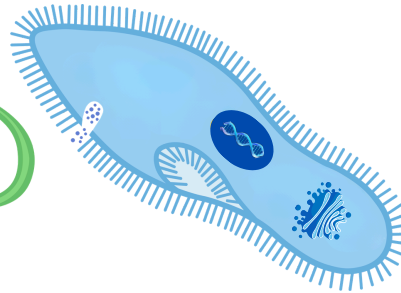
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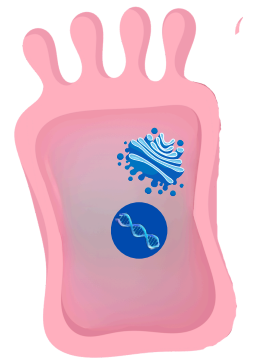
CÉLULA ANIMAL



EUGLENA

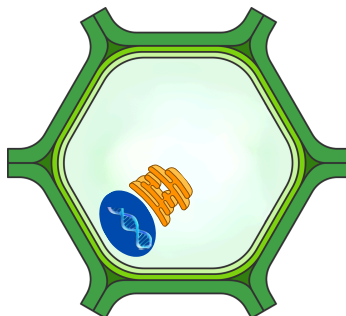
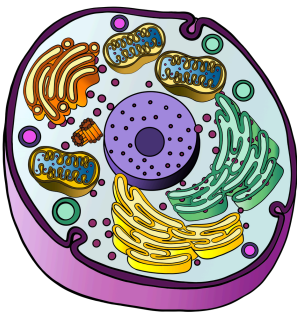


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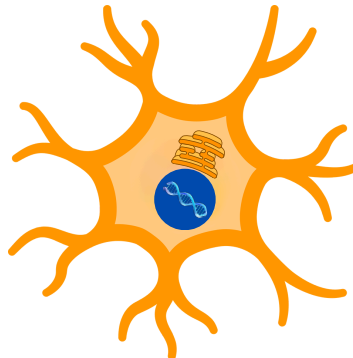


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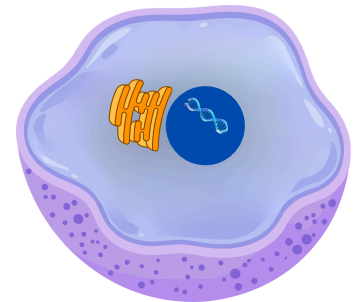
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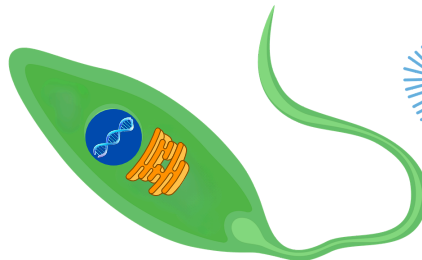
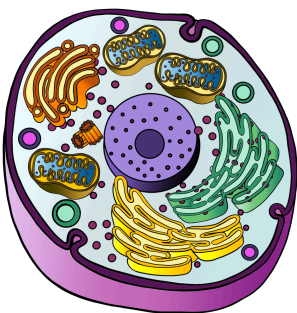
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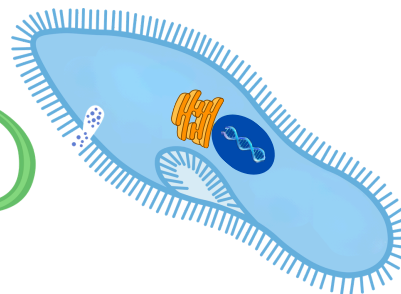
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CÉLULA ANIMAL



EUGLENA



PARAMECIO

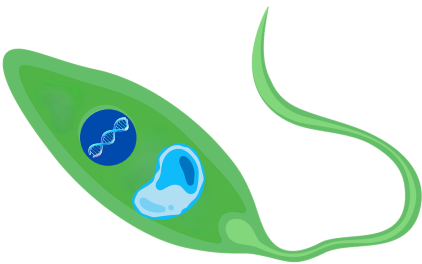


CÉLULA EPITELIAL

TAZOS CELULARES VACUOLA

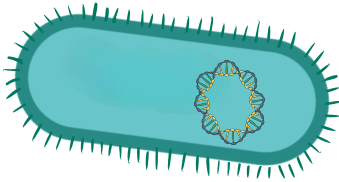


CÉLULA VEGETAL

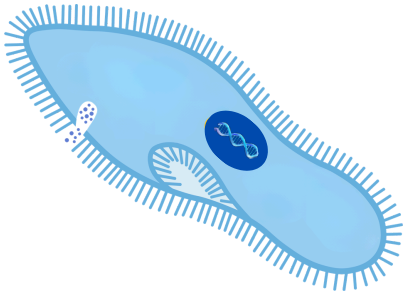


EUGLENA

TAZOS CELULARES CILIOS

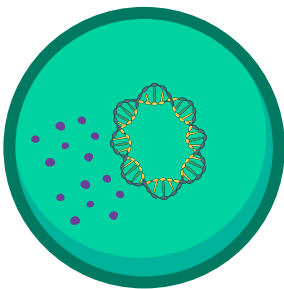


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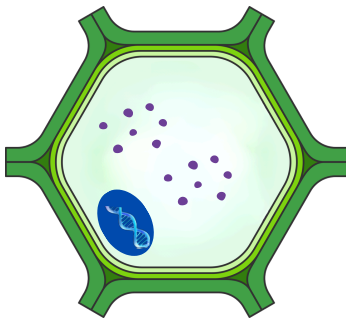


PARAMECIO

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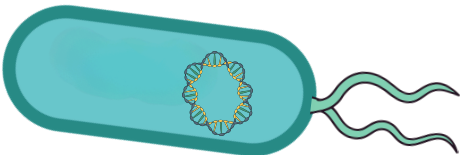


COCO

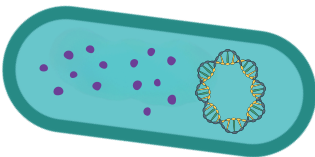


CÉLULA VEGETAL

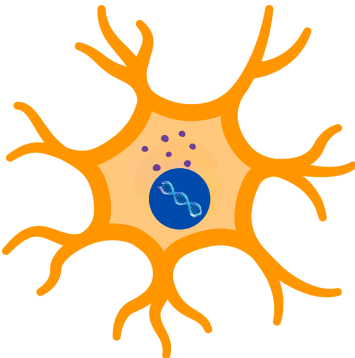
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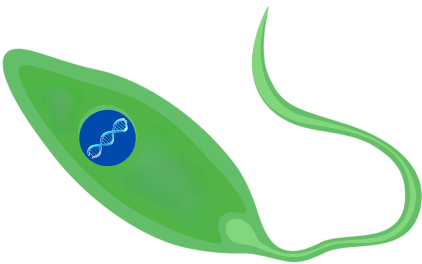
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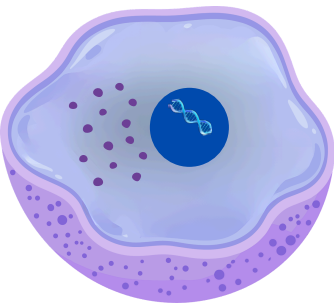
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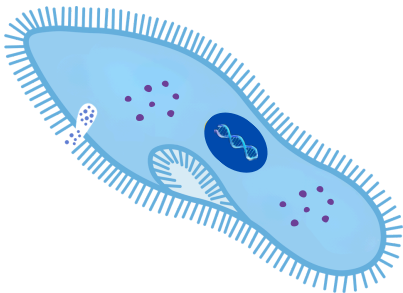
NEURONA



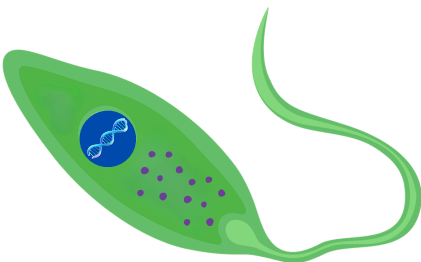
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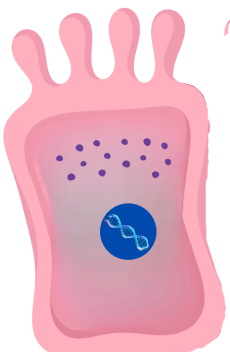
CÉLULA ANIMAL



PARAMECIO



EUGLENA

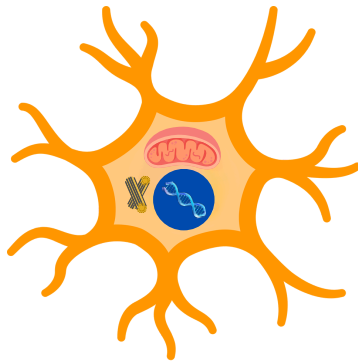


CÉLULA EPITELIAL

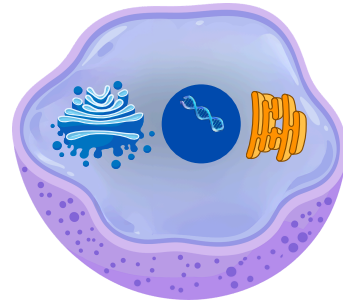
TAZOS CELULARES - COMBINACIÓN DOBLE



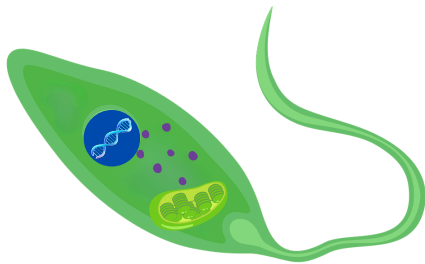
CÉLULA VEGETAL



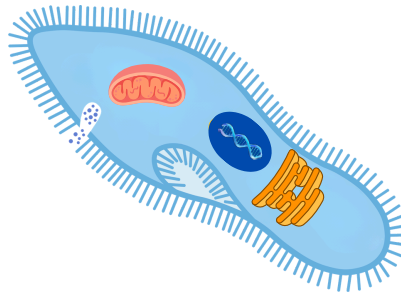
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CÉLULA ANIMAL



EUGLENA



PARAMECIO

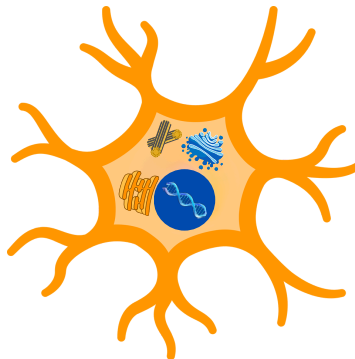


CÉLULA EPITELIAL

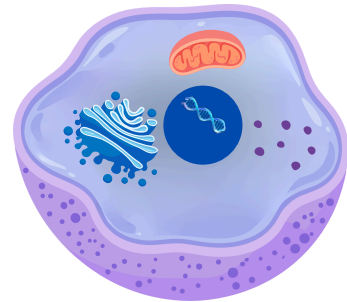
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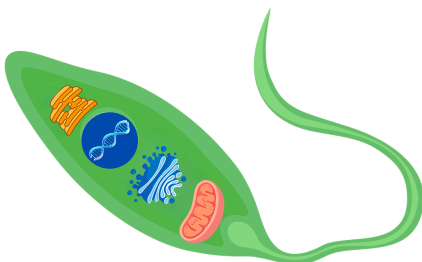
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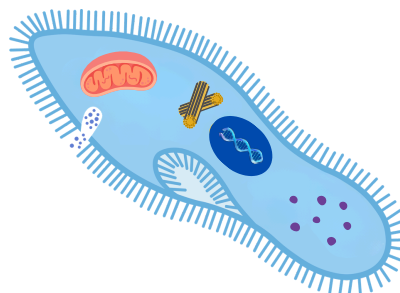
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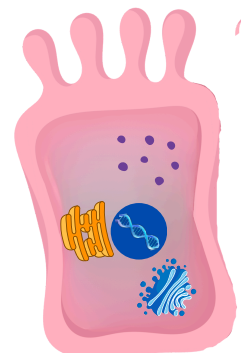
CÉLULA ANIMAL



EUGLENA



PARAMECIO



CÉLULA EPITELIAL

