

• Building block of cytoskeleton fibers inside cilia

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Mystery Cell Model B

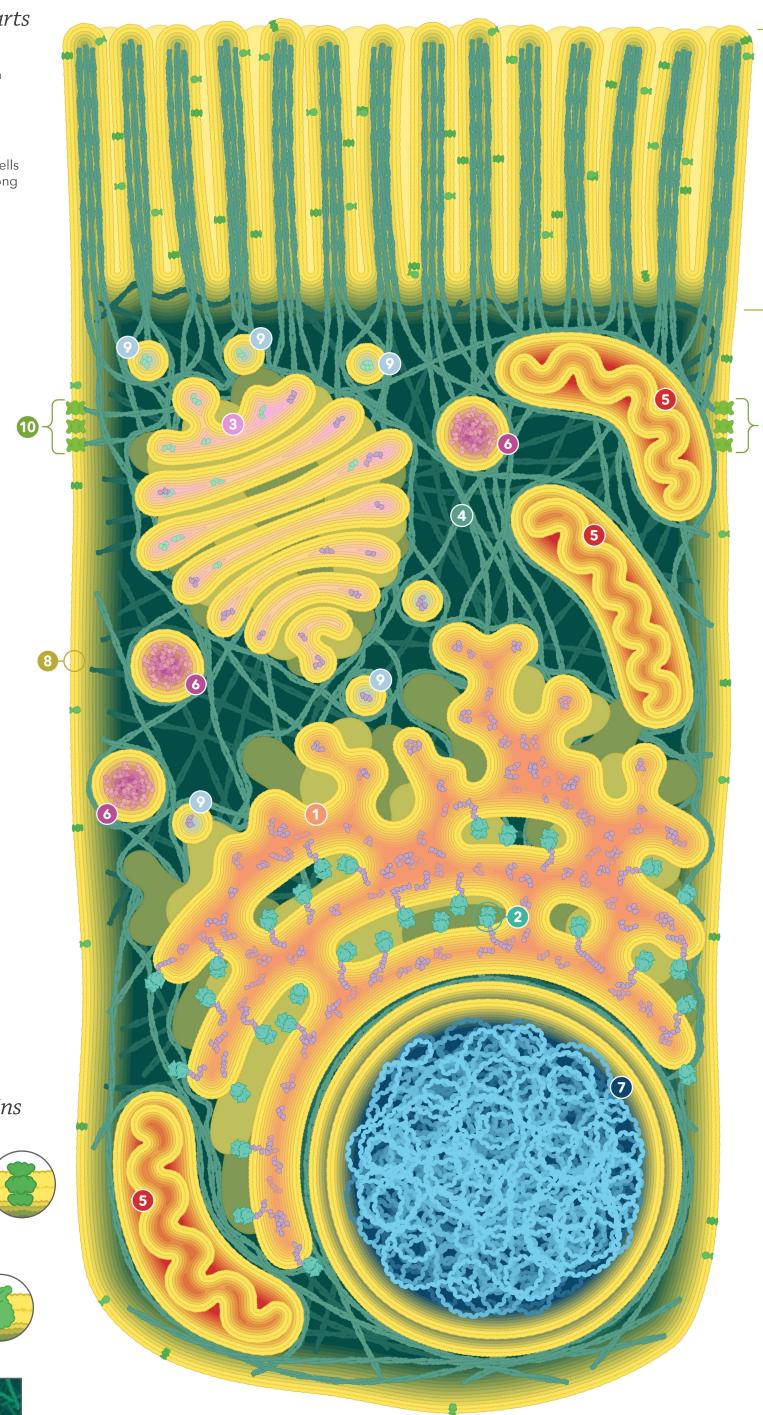
Specialized cell parts

Microvilli

- Add lots of surface area
- Have proteins that pull nutrients into the cell

Cell junctions

• Connect neighboring cells together, forming a strong barrier.



Specialized proteins Digestive enzymes

• Break down food to release nutrients



Nutrient transporters

• Move nutrients across a membrane



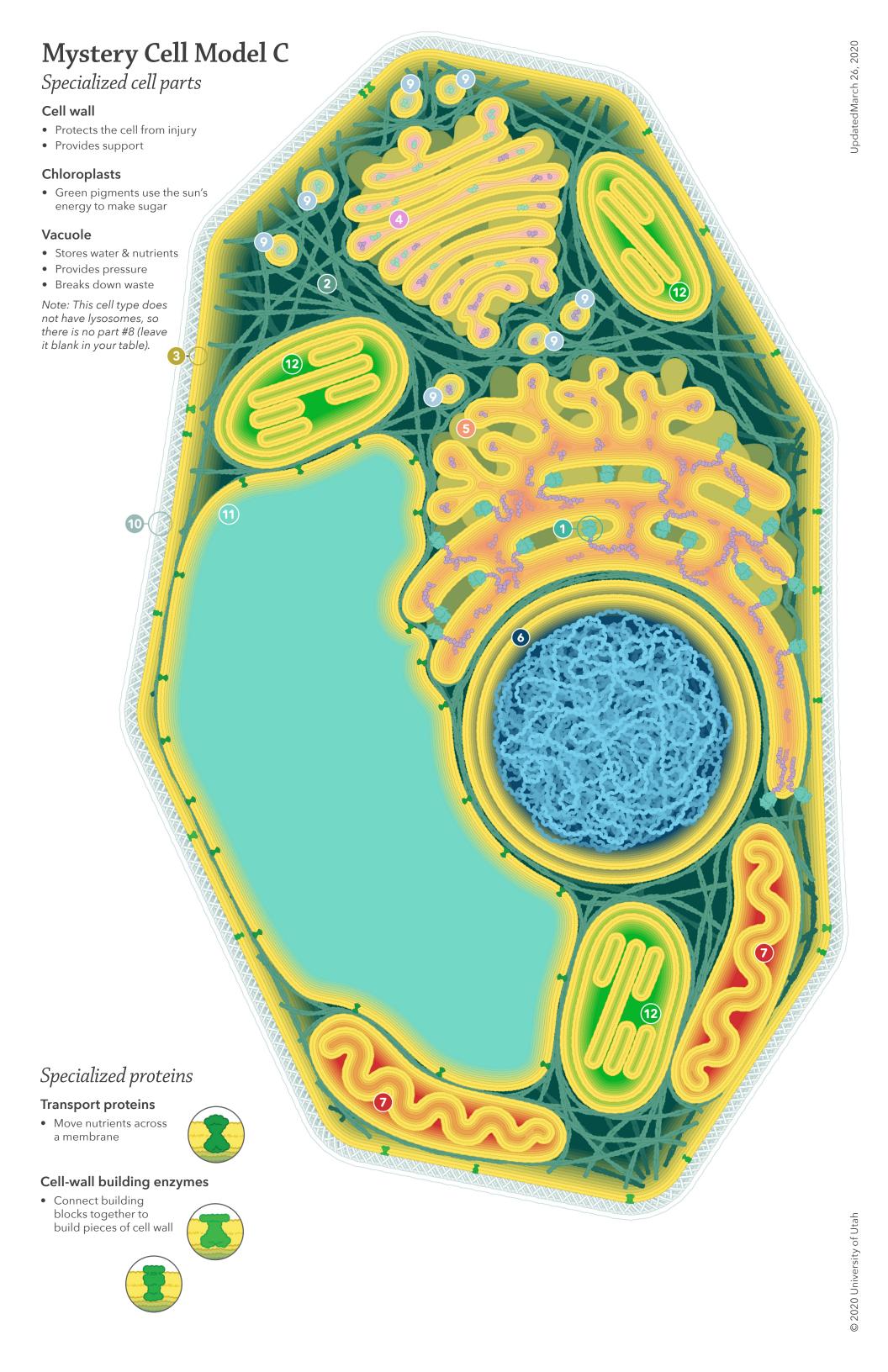
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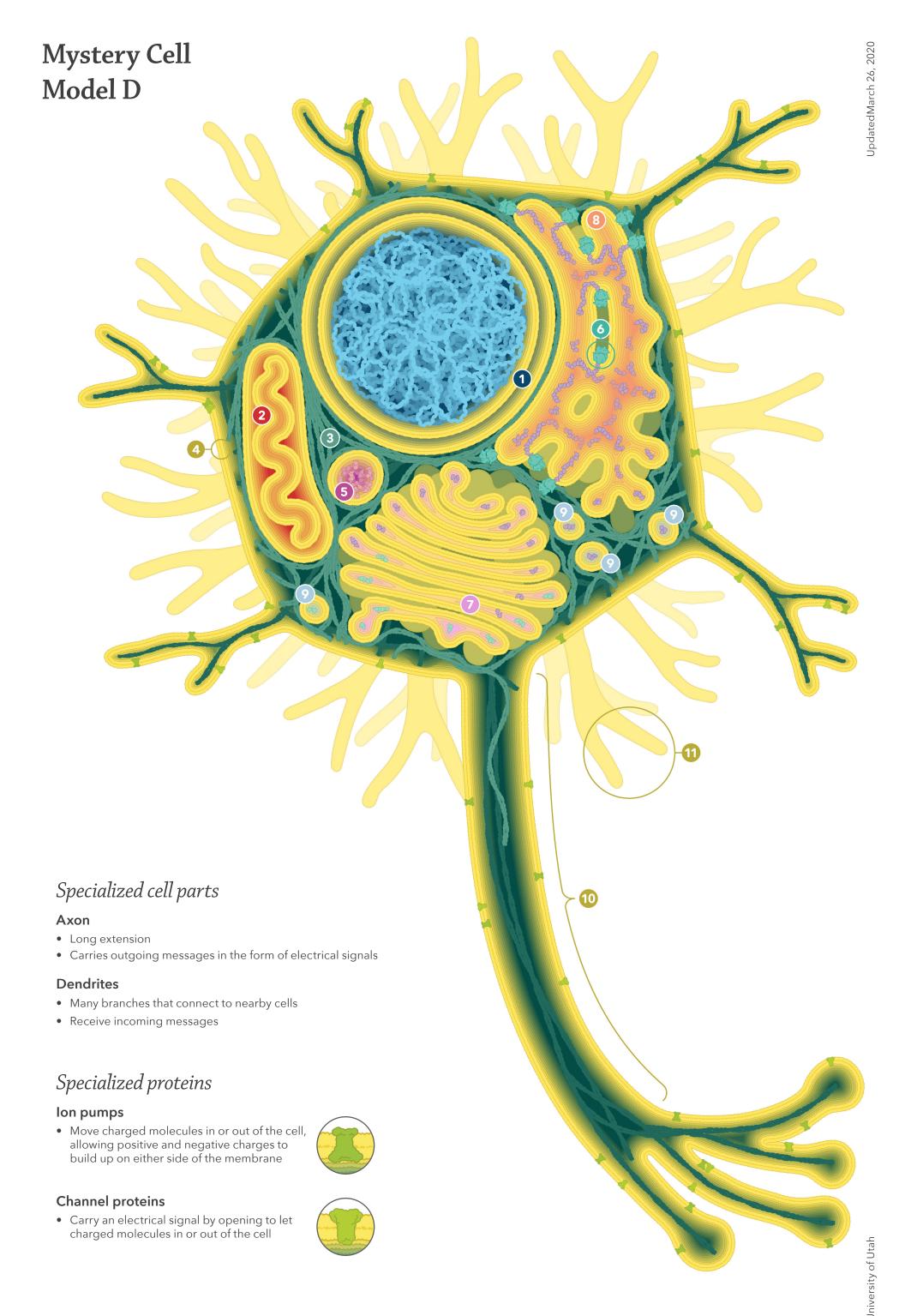
• Building block of cytoskeleton fibers inside microvilli





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Vacuole

- Stores water & nutrients
- Provides pressure
- Breaks down waste

Cell wall

- Protects the cell from injury
- Provides support

Root hair

- Long extension
- Increases cell surface area for absorbing water and nutrients

Note: This cell type does not have lysosomes, so there is no part #8 (leave it blank in your table).

