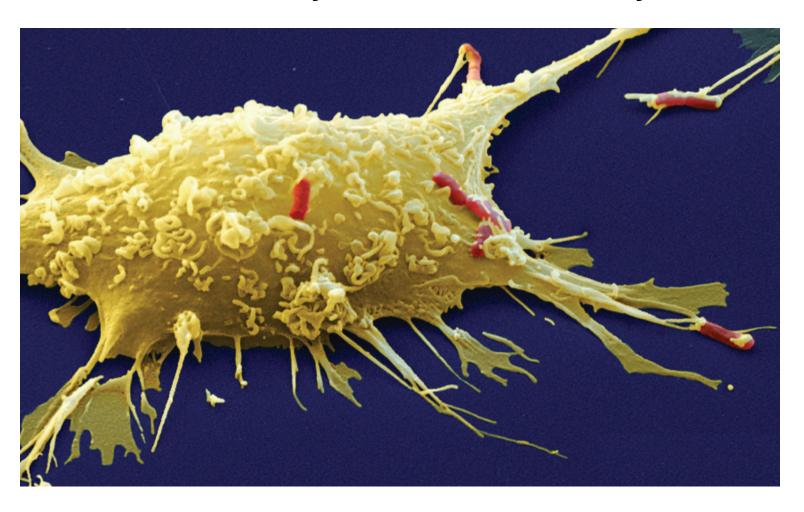
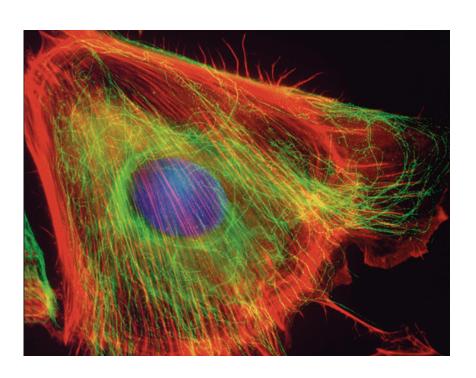
KEY CONCEPT Eukaryotic cells share many similarities.



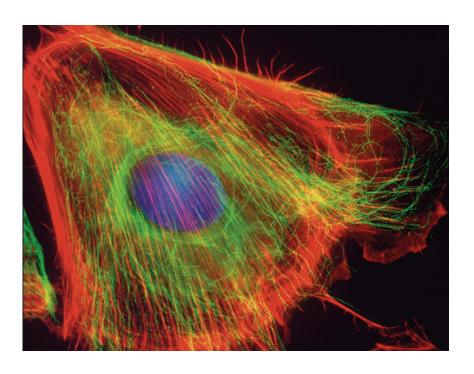
Cells have an internal structure.



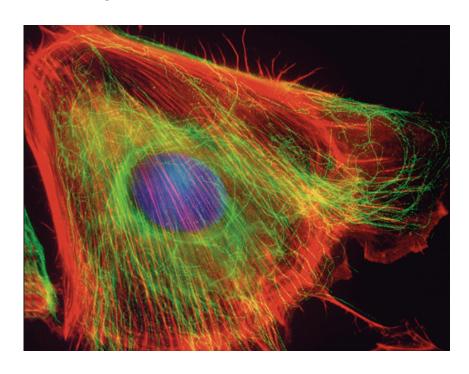
- Cells have an internal structure.
 - The cytoskeleton has many functions.



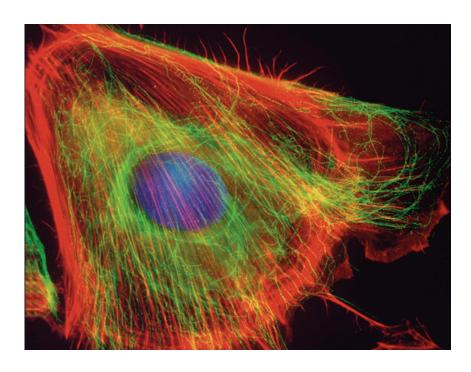
- Cells have an internal structure.
 - The cytoskeleton has many functions.
 - supports and shapes cell



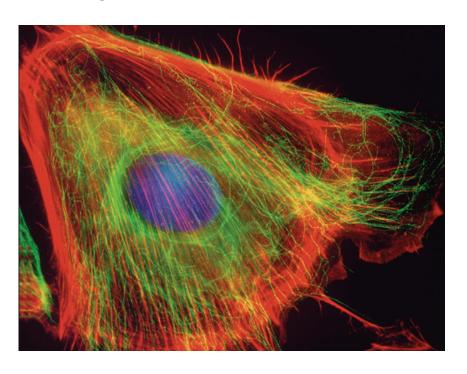
- Cells have an internal structure.
 - The cytoskeleton has many functions.
 - supports and shapes cell
 - helps position and transport organelles



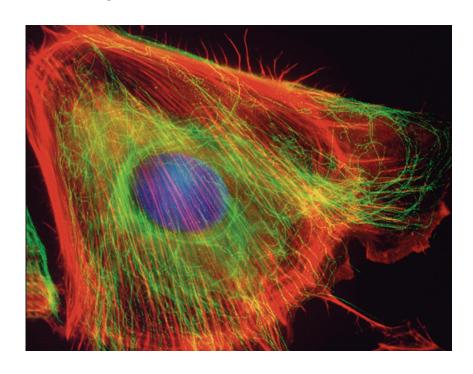
- Cells have an internal structure.
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 - provides strength



- Cells have an internal structure.
 - The cytoskeleton has many functions.
 - supports and shapes cell
 - helps position and transport organelles
 - provides strength
 - assists in cell division

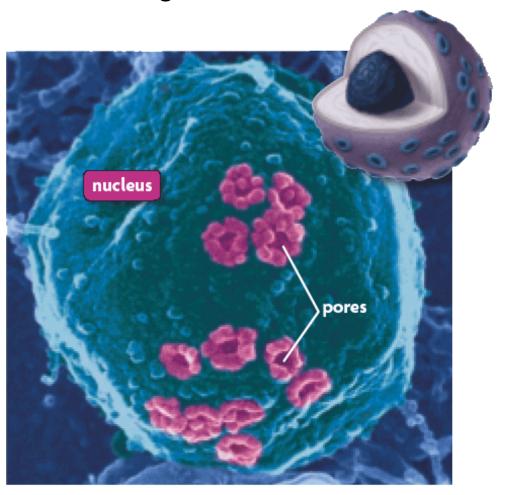


- Cells have an internal structure.
 - The cytoskeleton has many functions.
 - supports and shapes cell
 - helps position and transport organelles
 - provides strength
 - assists in cell division
 - aids in cell movement

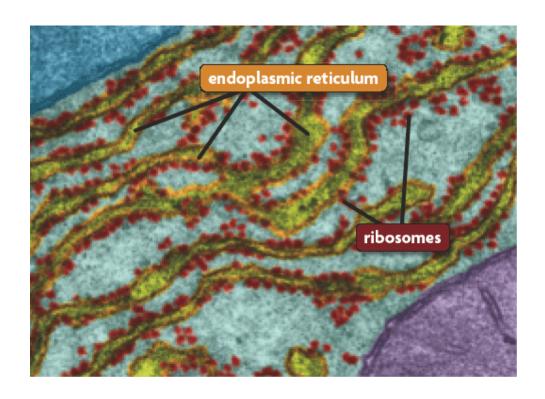


Several organelles are involved in making and processing proteins.

- Several organelles are involved in making and processing proteins.
 - The nucleus stores genetic information.



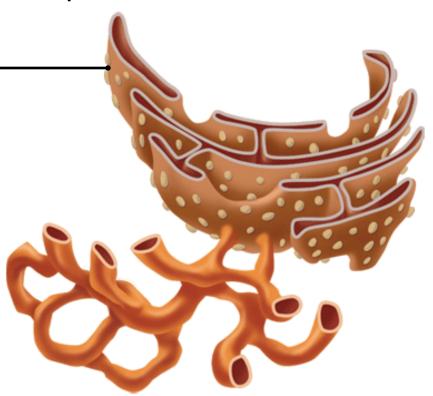
- Several organelles are involved in making and processing proteins.
 - The nucleus stores genetic information.
 - · Many processes occur in the endoplasmic reticulum.



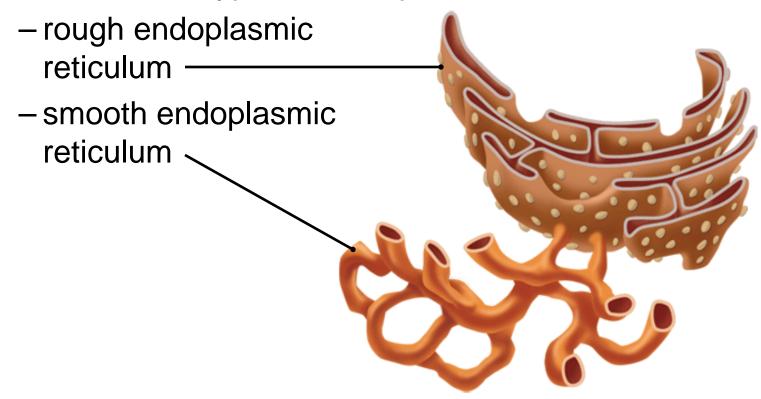
- Several organelles are involved in making and processing proteins.
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 - · Many processes occur in the endoplasmic reticulum.
 - There are two types of endoplasmic reticulum.



- Several organelles are involved in making and processing proteins.
 - The nucleus stores genetic information.
 - Many processes occur in the endoplasmic reticulum.
 - There are two types of endoplasmic reticulum.
 - rough endoplasmicreticulum

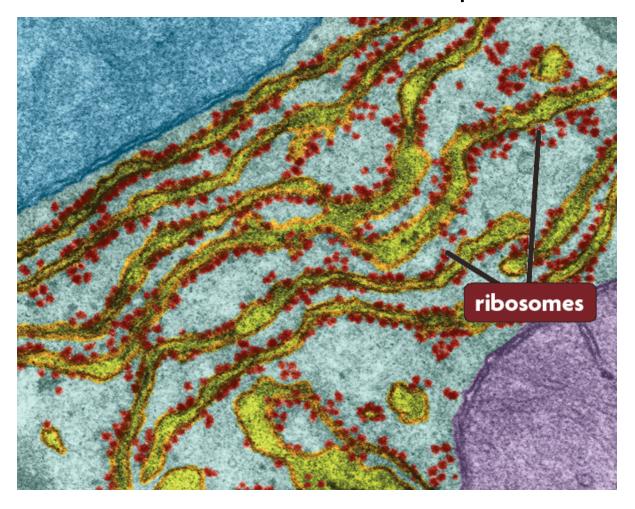


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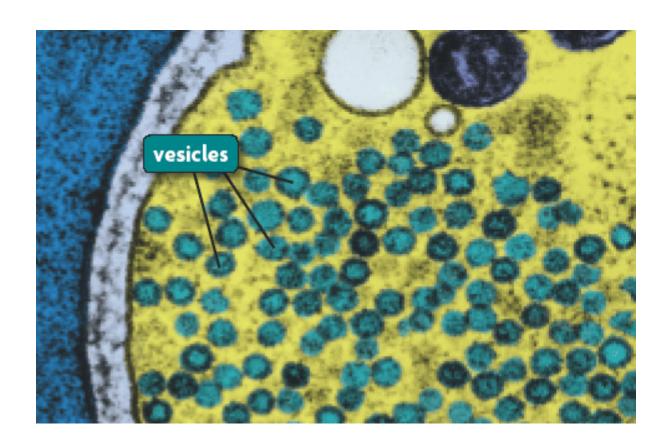


Several organelles are involved in making and processing proteins. (continued)

- Several organelles are involved in making and processing proteins. (continued)
 - Ribosomes link amino acids to form proteins.

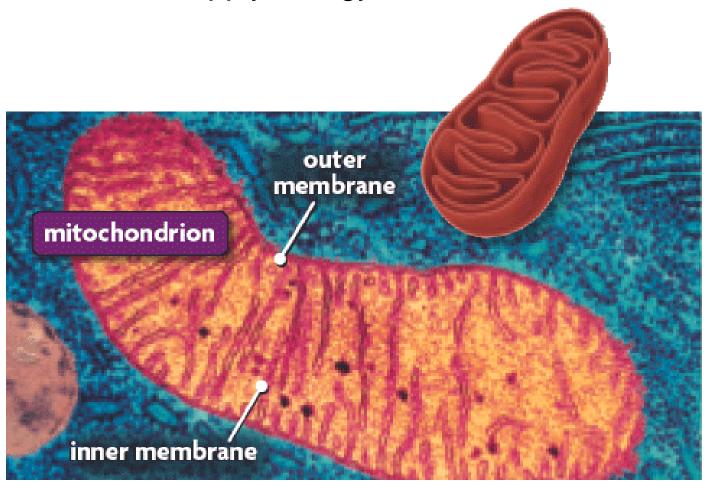


- Several organelles are involved in making and processing proteins. (continued)
 - Ribosomes link amino acids to form proteins.
 - Vesicles are membrane-bound sacs that hold materials.

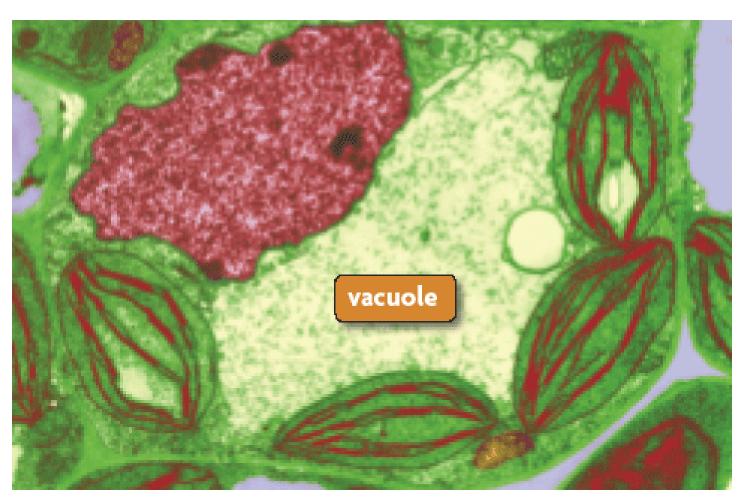


Other organelles have various functions.

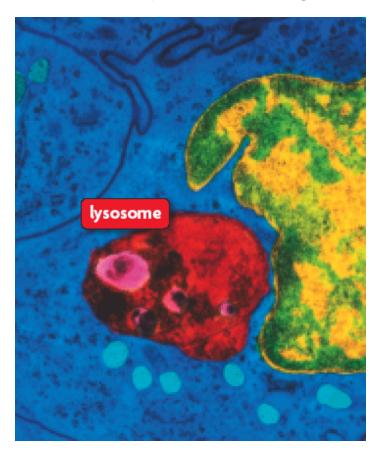
- Other organelles have various functions.
 - Mitochondria supply energy to the cell.



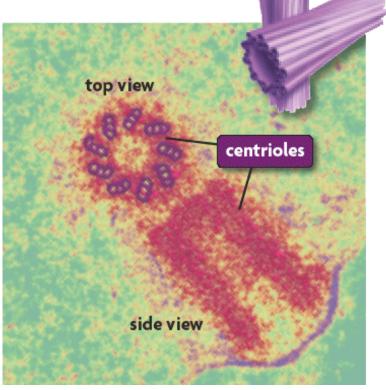
- Other organelles have various functions.
 - Mitochondria supply energy to the cell.
 - Vacuoles are fluid-filled sacs that hold materials.



- Other organelles have various functions.
 - Mitochondria supply energy to the cell.
 - Vacuoles are fluid-filled sacs that hold materials.
 - Lysosomes contain enzymes to digest material.



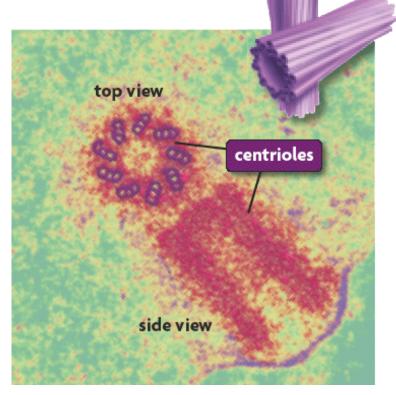
- Other organelles have various functions.
 - Mitochondria supply energy to the cell.
 - Vacuoles are fluid-filled sacs that hold materials.
 - Lysosomes contain enzymes to digest material.
 - · Centrioles are tubes found in the centrosomes.



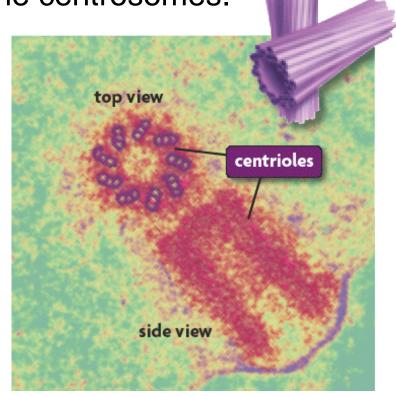
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Centrioles help divide DNA.

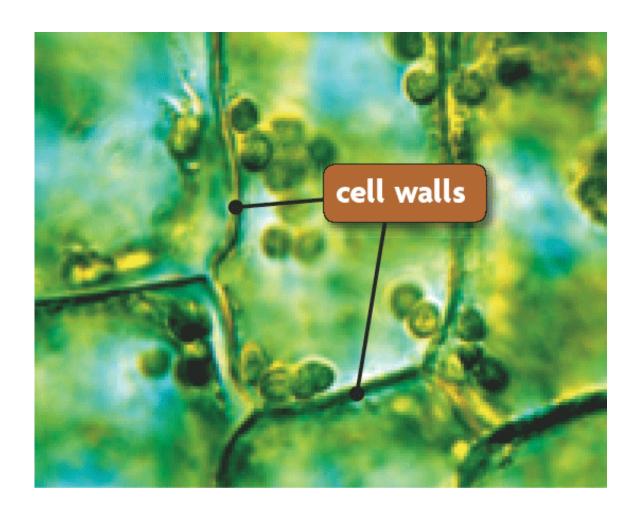


- Other organelles have various functions.
 - Mitochondria supply energy to the cell.
 - Vacuoles are fluid-filled sacs that hold materials.
 - Lysosomes contain enzymes to digest material.
 - Centrioles are tubes found in the centrosomes.
 - Centrioles help divide DNA.
 - Centrioles form cilia and flagella.



Plant cells have cell walls and chloroplasts.

- Plant cells have cell walls and chloroplasts.
 - A cell wall provides rigid support.



- Plant cells have cell walls and chloroplasts.
 - A cell wall provides rigid support.
 - Chloroplasts convert solar energy to chemical energy.

