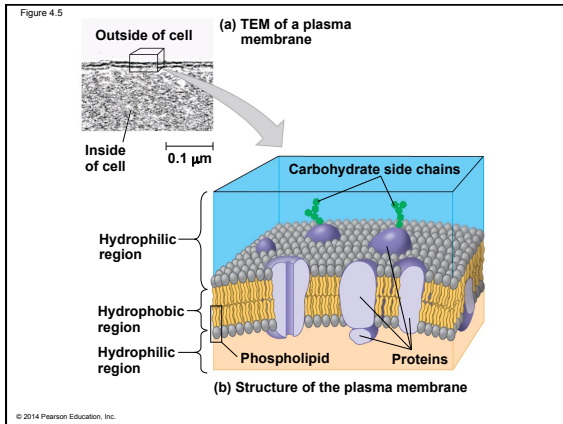


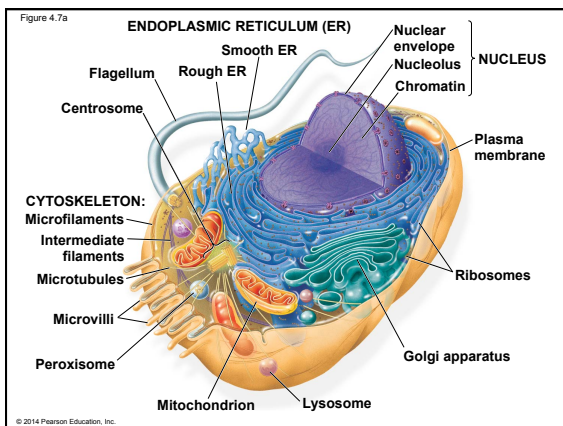


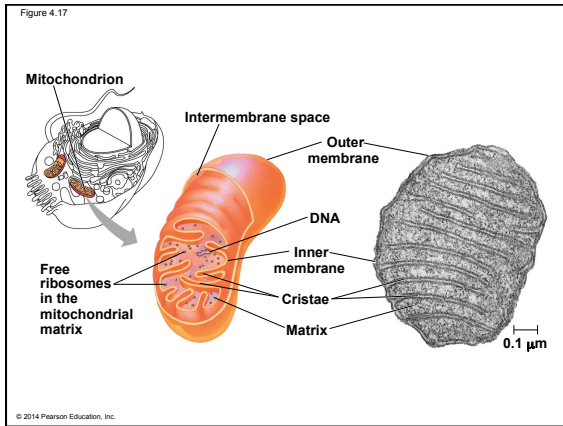
A Panoramic View of the Eukaryotic Cell

- A eukaryotic cell has internal membranes that divide the cell into compartments—organelles

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Concept 4.5: Mitochondria and chloroplasts change energy from one form to another

- Mitochondria are the sites of cellular respiration, a metabolic process that uses oxygen to generate ATP
- Chloroplasts, found in plants and algae, are the sites of photosynthesis

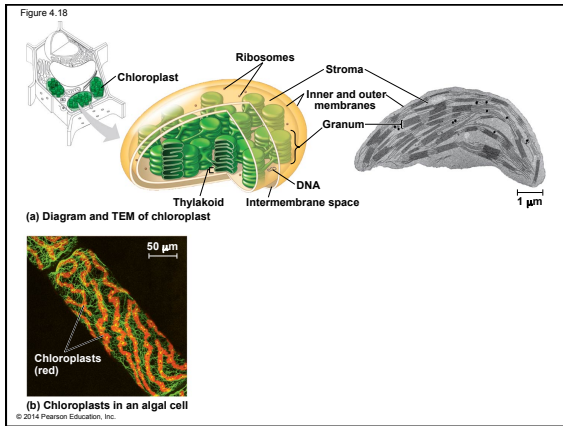
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Chloroplasts: Capture of Light Energy

- Chloroplasts contain the green pigment chlorophyll
- Chloroplasts are found in leaves and other green organs of plants and in algae

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Concept 4.6: The cytoskeleton is a network of fibers that organizes structures and activities in the cell

- The cytoskeleton is a network of fibers extending throughout the cytoplasm
- It organizes the cell's structures and activities, anchoring many organelles

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