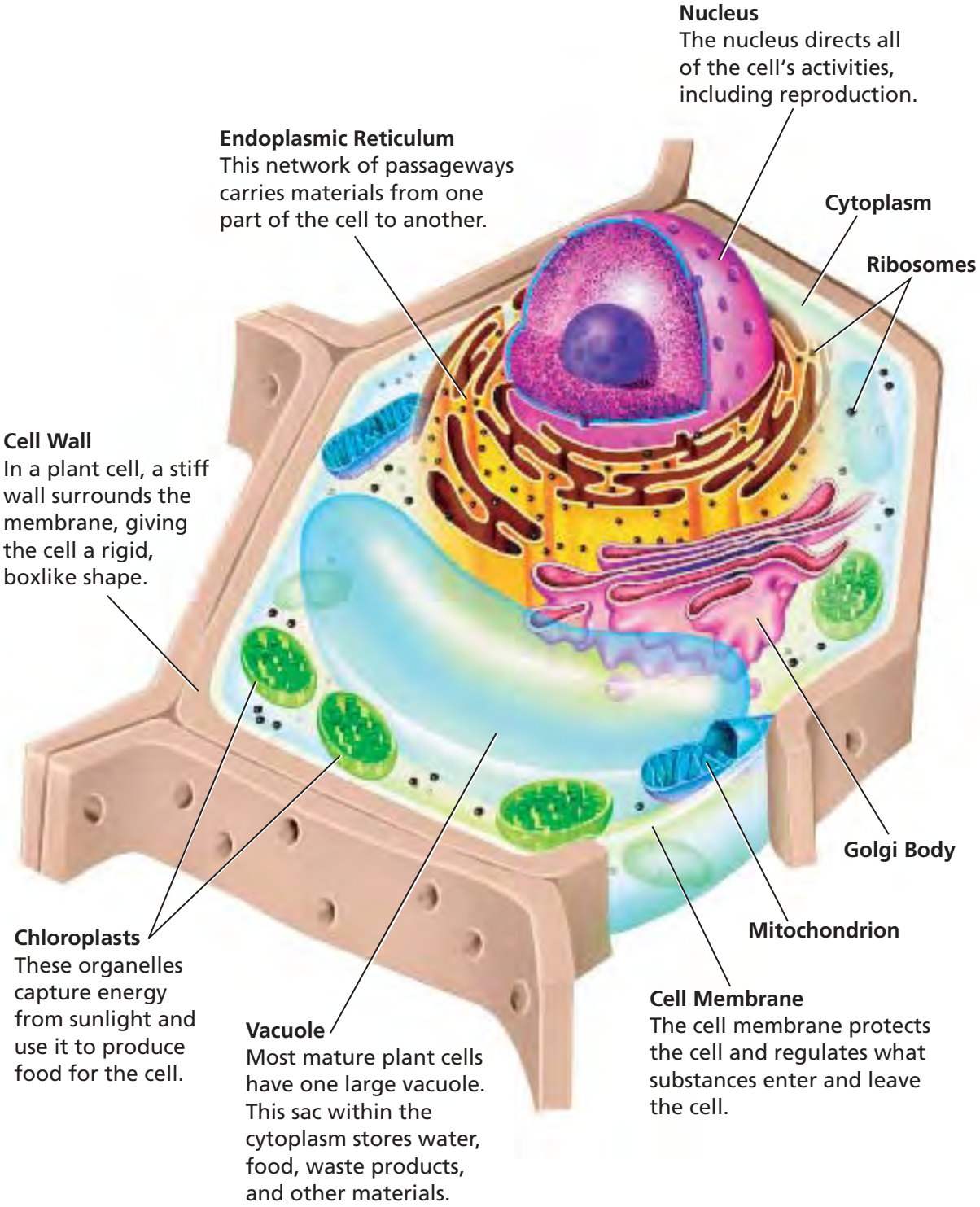
Nucleus
The nucleus directs all of the cell's activities, including reproduction.
Endoplasmic Reticulum
This network of passageways carries materials from one part of the cell to another.
Cytoplasm
Ribosomes
Cell Wall
In a plant cell, a stiff wall surrounds the membrane, giving the cell a rigid, boxlike shape.
Golgi Body
Mitochondrion
Chloroplasts
These organelles capture energy from sunlight and use it to produce food for the cell.
Vacuole
Most mature plant cells have one large vacuole. This sac within the cytoplasm stores water, food, waste products, and other materials.
Cell Membrane
The cell membrane protects the cell and regulates what substances enter and leave the cell.

**Plant Cell**