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- 1a. The cell membrane separates a cell from its environment and controls what substances go into and out of the cell. The cell wall protects and supports the ~~wall~~ cell.
- 1b. Because cellulose is strong, the cell wall, which is made up of cellulose, can protect the cell and provide support.
- 2a. The ribosomes provide proteins. The Golgi bodies distribute these proteins and other materials to different parts of the cell.
- 2b. The endoplasmic reticulum has many passage ways that carry proteins and other materials from one part of the cell to another.
- 2c. The ribosomes make proteins. The endoplasmic reticulum carries the proteins to the Golgi bodies, which distribute them to other parts of the cell.
- 3a. A tissue is a group of similar cells that work together to perform a specific function. An organ is a body structure made up of different kinds of tissues that function together.
- 3b. Cells make up tissues, which make up organs.
- 3c. An organ would have more kinds of specialized cells because it is made up of different tissues, each of which consists of the same type of cells.