

Reviewing Key Concepts

Matching *On the lines provided, match the structure with its function in the cell.*

- a. cell wall
- b. nucleus
- c. cytoskeleton
- d. endoplasmic reticulum
- e. Golgi apparatus
- f. chloroplast
- g. mitochondrion

- _____ 1. controls most cell processes and contains DNA
- _____ 2. uses energy from food to make high-energy compounds
- _____ 3. provides support and protection for the cell
- _____ 4. maintains cell shape with a network of protein filaments
- _____ 5. uses energy from sunlight to make food molecules
- _____ 6. assembles components of the cell membrane and modifies some proteins
- _____ 7. attaches carbohydrates and lipids to proteins using enzymes

Reviewing Key Skills

8. **Inferring** Plants have cells that contain chloroplasts. Why must their cells contain mitochondria as well?

9. **Using Analogies** In some ways, a cell is analogous to a factory. Create an analogy describing the job of a lysosome within a cellular "factory."

10. **Comparing and Contrasting** What structures make plant and animal cells different?

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