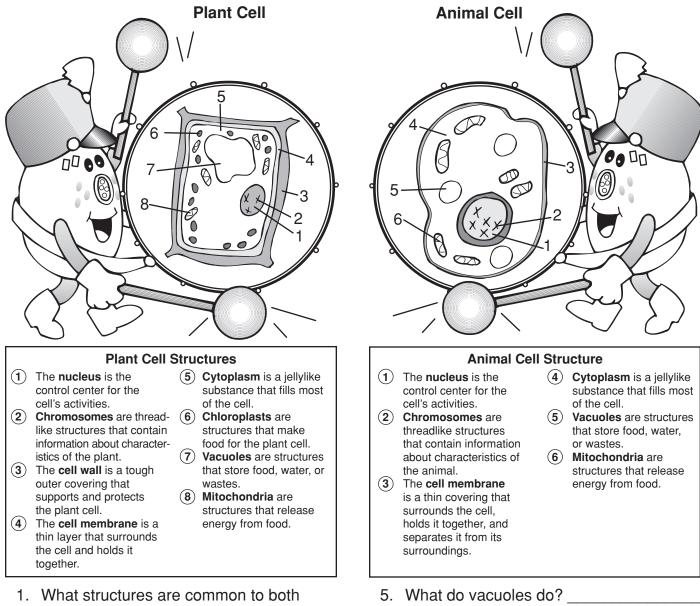
## **Drumming Up Differences**

Discover the differences between plant and animal cells. Study the cell diagrams below. Then answer the questions that follow. Use another sheet of paper if you need more room.



- 1. What structures are common to both plant and animal cells?
- 2. What structures are found only in plant cells?
- Where are the chromosomes found? What do they look like?
- 4. What are mitochondria?

- 6. Can a plant cell do things that an animal cell cannot? Explain. \_\_\_\_\_
- 7. How do the stiff cell walls of plant cells make plants look and feel different from animals?
- 8. How do vacuoles in the animal cell differ from those in the plant cell?
  - Cells: comparing plant and animal cells





- 1. nucleus, chromosomes, cell membrane, cytoplasm, vacuoles, and mitochondria
- 2. cell wall and chloroplasts
- 3. Chromosomes are found in the nucleus. They look like threads.
- 4. Mitochondria are structures that release energy from food.
- 5. Vacuoles store food, wastes, or water.
- 6. Yes; plant cells have the ability to make their own food.
- 7. Plants have rigid parts, such as tree trunks, whereas most animals are soft and flexible.
- 8. Some (but not all) animal cells have a few small vacuoles. Plant cells usually have one large vacuole.