

Name \_\_\_\_\_

### **Answer Key: Nucleus and Cytoplasm**

1. The nucleus in a plant cell serves as the "control center" and contains the cell's genetic material, DNA.
2. The nucleus controls the cell's activities by providing instructions for cell functions and coordinating growth and reproduction.
3. Cytoplasm is a jelly-like substance that supports organelles and facilitates various cellular processes.
4. The nucleus provides genetic instructions, and the cytoplasm supports organelles and cellular processes, working together to ensure the cell's functions.
5. False