

# The Cell's Command Center

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## Understanding the Nucleus and DNA

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on the lesson about the cell's nucleus and DNA.

1. What is the primary role of the nucleus in a cell?

- A. To store energy
- B. To control cell functions
- C. To produce proteins

2. The nucleus contains \_\_\_\_, which is the instruction manual for life.

3. How does DNA function like a blueprint in living organisms?

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4. Every cell in an organism contains complete genetic information.

- True       False

5. According to Psalm 139:14, how does the Psalmist feel about God's creation?

- A. It is perfect
- B. It is fearfully and wonderfully made
- C. It is simple

6. The nucleus is often compared to a \_\_\_\_ because it directs all cell activities.

7. Why do you think God designed cells to have such complex instructions?

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8. The nucleus does not play a role in how a cell functions.

- True       False

9. What does the intricate design of cells highlight about God's creation?

- A. It is random
- B. It is intentional
- C. It is unnecessary

10. The instructions stored in DNA are called \_\_\_\_ information.

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### Answer Key

1. To control cell functions   2. DNA   3. DNA serves as a detailed blueprint by providing instructions for building and maintaining the organism. It tells the cell how to function and develop, just like a blueprint guides construction.   4. True   5. It is fearfully and wonderfully made   6. computer's main processor   7. God designed cells with complex instructions to ensure that every part functions correctly and cooperatively. This complexity allows for the diversity of life and the ability to adapt to different environments.   8. False   9. It is intentional   10. genetic