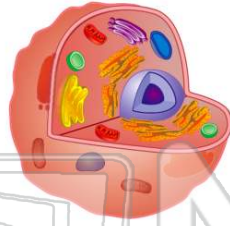




Name _____ Class _____ Date _____

1 In a cell, information that controls the **production of proteins** must pass from the **nucleus** to the

- A cell membrane
- B chloroplasts
- C mitochondria
- D ribosomes



2 What would **most likely** happen if the **ribosomes** in a cell were **not** functioning?

- A The cell would undergo uncontrolled mitotic cell division
- B The synthesis of enzymes would stop.
- C The cell would produce antibodies
- D The rate of transport of glucose in the cytoplasm would increase.

3 **Synthesis** of a **defective protein** may result from an alteration in

- A vacuole shape
- B the number of mitochondria
- C a base sequence code
- D cellular fat concentration

4 The **largest amount of DNA** in a plant cell is contained in

- A a nucleus
- B a chromosome
- C a protein molecule
- D an enzyme molecule



5

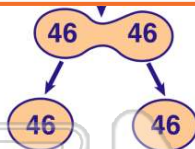


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7

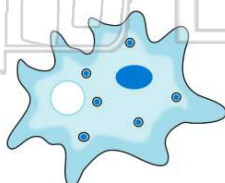
- C recombination
- D sexual reproduction



- B organic molecules
- C minerals
- D inorganic molecules

9 Which substances are necessary for the **synthesis of most materials** in an organism?

- A hormones
- B carbohydrates
- C antibodies
- D enzymes



10 Most recently, biologists have increased their knowledge of **cell structure** and **organelles** due to the

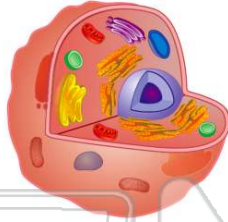
- A discovery of the dissection microscope
- B invention of the 40x lens
- C invention of the compound light microscope
- D development of the electron microscope



ANSWER KEY

In a cell, information that controls the **production of proteins** must pass from the **nucleus** to the

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(d)

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(b)

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(c)

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(a)



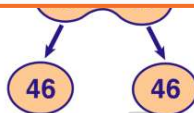
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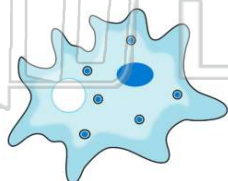
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