

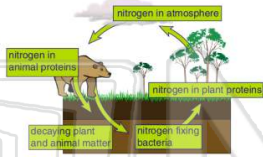


Name _____ Class _____ Date _____

1

Which material cycle relies **least** on the processes of photosynthesis, transpiration, evaporation, respiration, and condensation?

- A oxygen cycle
- B nitrogen cycle
- C water cycle
- D carbon cycle

**2**

What is the **first step** of a scientific investigation?

- A perform the experiment
- B analyze the experimental data
- C formulate a hypothesis
- D state the problem

3

The **analysis** of data gathered during a particular experiment is necessary in order to

- A formulate a hypothesis for that experiment
- B develop a research plan for that experiment

4

A student could **best demonstrate** knowledge of how energy flows throughout an ecosystem by

- A drawing a food web using specific organisms living in a pond
- B conducting an experiment that demonstrates

5

PREVIEW

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7

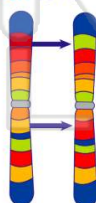
- A a carbohydrate
- B a simple sugar
- C an enzyme
- D a complex fat

- C hormones and nerve impulses
- D antibiotics and guard cells

9

As a result of sexual reproduction, an organism can **pass a gene mutation** to its offspring if the mutation occurs in

- A a body cell
- B a gamete
- C liver tissue
- D white blood cells

**10**

When humans first domesticated dogs, there was relatively little diversity in the species. Today, there are many variations such as the German shepherd and the dalmation. This **increase in diversity** is most closely associated with

- A cloning of selected body cells
- B selective breeding
- C mitotic cell division
- D environmental influences on inherited traits

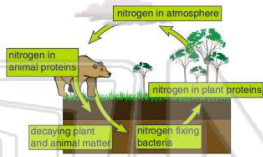




Name _____ Class _____ Date _____

1 Which material cycle relies **least** on the processes of photosynthesis, transpiration, evaporation, respiration, and condensation?

- A oxygen cycle
- B nitrogen cycle
- C water cycle
- D carbon cycle



(B)

2 What is the **first step** of a scientific investigation?

- A perform the experiment
- B analyze the experimental data
- C formulate a hypothesis
- D state the problem

(D)

3 The **analysis** of data gathered during a particular experiment is necessary in order to

- A formulate a hypothesis for that experiment
- B develop a research plan for that experiment

(D)

4 A student could **best demonstrate** knowledge of how energy flows throughout an ecosystem by

- A drawing a food web using specific organisms living in a pond
- B conducting an experiment that demonstrates

(A)



5 _____ (C)

PREVIEW

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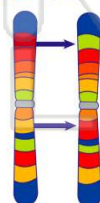
7 _____ (C)

- A a carbohydrate
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(B)

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(B)