



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1

Which is an **important adaptation** for **reproduction** among land animals?

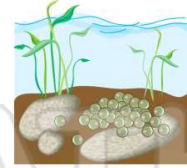
- A fertilization of gametes outside the body of the female
- B fertilization of gametes within the body of the female
- C production of sperm cells with thick cell walls
- D production of sperm cells with thin cell walls



2

**Unfertilized eggs** of a frog can be made to **undergo cleavage** if the eggs are pricked with a needle. **This type of development is known as**

- A parthenogenesis
- B metamorphosis
- C differentiation
- D pinocytosis



3

Differences in the **bone arrangements** support the **hypothesis** that these organisms

- A are members of the same species
- B may have descended



4

Which situation would most likely result in the **highest rate of natural selection**?

- A reproduction of organisms by an asexual method in an unchanging environment
- B reproduction of a species having a very low mutation rate in a changing environment

5



## PREVIEW

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7

- B human reproduction is very different from that of other mammals
- C there are many ethical problems involved in cloning humans
- D cloning humans would take too long

- B the lack of natural predators
- C cycling of energy
- D increased numbers of decomposers



9

Some mammals have genes for fur color that **produce pigment** only when the **outside temperature** is above a certain level. **This pigment production is an example of how the environment of an organism can**

- A destroy certain genes
- B cause new mutations to occur
- C stop the process of evolution
- D influence the expression of certain genes



10

Most of the **hereditary information** that determines the traits of an organism is located in

- A only those cells of an individual produced by meiosis
- B the nuclei of body cells of an individual
- C certain genes in the vacuoles of body cells
- D the numerous ribosomes in certain cells






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1 Which is an **important adaptation** for **reproduction** among land animals?

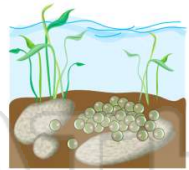
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(B)

2 **Unfertilized eggs** of a frog can be made to **undergo cleavage** if the eggs are pricked with a needle. **This type of development is known as**


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(A)

3 Differences in the **bone arrangements** support the **hypothesis** that these organisms

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(C)

4 Which situation would most likely result in the **highest rate of natural selection**?

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(D)

5



(A)

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(A)

9 Some mammals have genes for fur color that **produce pigment** only when the **outside temperature** is above a certain level. **This pigment production is an example of how the environment of an organism can**


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(D)

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(B)