



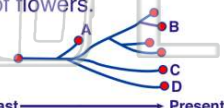
Name _____ Class _____ Date _____

1 In order for new species to develop, there must be a **change** in the



- A temperature of the environment
- B migration patterns within a population
- C genetic makeup of a population
- D rate of succession in the environment

3 The diagram below shows the **evolution** of some different species of flowers. Which statement about the species is correct?



- A Species A, B, C, and D came from different ancestors.
- B Species C evolved from species B.

2 Which statement is **not** part of the concept of **natural selection**?

- A Individuals that possess the most favorable variations will have the best chance of reproducing.
- B Variation occurs among individuals in a population.
- C More individuals are produced than will survive.
- D Genes of an individual adapt to a changing environment.

4 According to most scientists, which sequence best represents the **order of biological evolution on Earth**?

A	B	C
The diversity of multicellular organisms increases.	Simple, single-celled organisms appear.	Multicellular organisms begin to evolve.

- A A → B → C
- C B → A → C



PREVIEW

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of the organism

- B cannot be passed on to offspring
- C are usually beneficial to the organism
- D lead to more serious mutations in offspring



- A Herbivores have evolved from carnivores.
- B Carnivores have evolved from herbivores.
- C The two types of teeth most likely evolved as a result of natural selection.
- D The two types of teeth most likely evolved as a result of the needs of an organism.

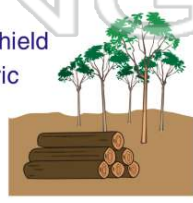
9 Areas with **many different niches** will most likely have

- A large numbers of organisms that will become extinct
- B no organisms that will become extinct
- C little diversity among the organisms
- D great diversity among the organisms



10 One **irreversible effect** of both **deforestation** and **water pollution** on the environment is the

- A extinction of species
- B thinning of the ozone shield
- C depletion of atmospheric carbon dioxide levels
- D increase in renewable resources





ANSWER KEY

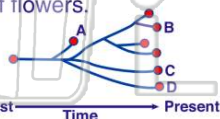
In order for new species to develop, there must be a **change** in the



- A** temperature of the environment
- B** migration patterns within a population
- C** genetic makeup of a population
- D** rate of succession in the environment

(C)

The diagram below shows the **evolution** of some different species of flowers. Which statement about the species is correct?



- A** Species A, B, C, and D came from different ancestors.
- B** Species C evolved from species B.
- C** Species A, B, and C can interbreed successfully.
- D** Species A and B evolved from species C.

(d)

Which statement is **not** part of the concept of **natural selection**?

- A** Individuals that possess the most favorable variations will have the best chance of reproducing.
- B** Variation occurs among individuals in a population.
- C** More individuals are produced than will survive.
- D** Genes of an individual adapt to a changing environment.

(d)

According to most scientists, which sequence best represents the **order of biological evolution on Earth**?

A	B	C
The diversity of multicellular organisms increases.	Simple, single-celled organisms appear.	Multicellular organisms begin to evolve.

(b)

- A** A → B → C
- B** B → C → A
- C** B → A → C
- D** C → A → B



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- A** result in mutations
- B** lead to more serious mutations in offspring
- C** are usually beneficial to the organism
- D** lead to more serious mutations in offspring

- C** The two types of teeth most likely evolved as a result of natural selection.
- D** The two types of teeth most likely evolved as a result of the needs of an organism.

Areas with **many different niches** will most likely have

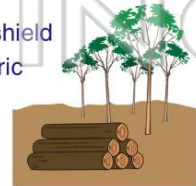
- A** large numbers of organisms that will become extinct
- B** no organisms that will become extinct
- C** little diversity among the organisms
- D** great diversity among the organisms



(d)

One **irreversible effect** of both **deforestation** and **water pollution** on the environment is the

- A** extinction of species
- B** thinning of the ozone shield
- C** depletion of atmospheric carbon dioxide levels
- D** increase in renewable resources



(a)