



Name _____ Class _____ Date _____

- 1 One explanation for the **variety of organisms** present on Earth today is that over time
- A new species have adapted to fill available niches in the environment
 - B evolution has caused the appearance of organisms that are similar to each other
 - C each niche has changed to support a certain variety of organism
 - D the environment has remained unchanged, causing rapid evolution

- 2 Many scientists believe that the earliest cells on Earth were **relatively simple**, lacking nuclear membranes and other organized cellular structures. Over time, more **complex** cells developed from these simple cells. **These statements describe the concept of**
- A inheritance of acquired characteristics
 - B evolution
 - C dominance
 - D use and disuse

- 3 In the early stages of development, the **embryos** of dogs, pigs, and humans resemble one another.
- This observation suggests that these animals may have



- 4 The idea that **evolution** takes place at a **continuous but very slow rate** is known as
- A succession
 - B artificial selection



PREVIEW

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- A organic compounds
- B radioactive materials
- C plant tissues
- D animal embryos



- B the genetic basis of variation
- C survival of the fittest
- D competition

- 9 In addition to the basic ideas of Darwin, **modern evolutionary theory** includes the concept that

- A recombination of genes results in variation
- B all acquired characteristics are inherited
- C life originally came from outer space
- D life of Earth began on land

- 10 In a population, 25% of the individuals show a certain recessive trait. According to the **Hardy-Weinberg principle**, the percent recessive genes for that trait in that population would be

- A 5%
- B 12.5%
- C 25%
- D 50%

	G	g
G	GG	Gg
g	Gg	gg



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5

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	G	g
G	GG	Gg
g	Gg	gg