

Evolution, Plate Tectonics, and Climate Change Practice Worksheet

Name: _

1. Theories can never be tested because they are solid.
 - a. TRUE
 - b. FALSE

2. According to the latest reports on climate change, the global temperature is rising.
 - a. TRUE
 - b. FALSE

3. Increasing atmospheric greenhouse gases trap less heat.
 - a. TRUE
 - b. FALSE

4. Natural selection operates to cause change in a population by:
 - a. Favoring some traits over others in a population causing those traits to be more common in the subsequent generations
 - b. Causing environmental changes that help all organisms to adapt them
 - c. The process of immigration and emigration
 - d. Favoring all traits in a population causing them to alter the environment

5. The mechanism for evolution where favorable traits are more likely to be passed on to the next generation.
 - a. Darwinianism
 - b. Natural selection
 - c. Tectonics
 - d. Climate change

6. Which of the following is an essential theory of Earth Science?
 - a. Climate change
 - b. Evolution
 - c. Plate tectonics
 - d. All of the above

7. _____ is the science that provides the primary evidence for the evolutionary history of life, plate tectonics, and past climates.

- a. Earth Science
- b. Genetics
- c. Archaeology
- d. Geography

8. Which Earth Science theory explains the majority of geological activity on the planet?

- a. Plate tectonics
- b. Evolution
- c. Climate change
- d. Continental drift

9. Which of the following is the most recently developed theory?

- a. Theory of plate tectonics
- b. Theory of evolution
- c. Theory of natural selection
- d. Theory of climate change

10. Global warming is studied under this theory.

- a. Evolution
- b. Plate tectonics
- c. Climate change
- d. Continental drift

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