Evolution, Plate Tectonics, and Climate Change Practice Worksheet

Name: _

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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.

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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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