

# Physical Science Mid-Year Exam

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Define the following terms:

Atom—

Molecule—

Concentration-

Humidity-

Greenhouse effect—

Global warming—

Barometer—

Temperature—

Hydrologic cycle—

Water spout—

Water table—

Epicenter—

Seismology—

Weather—

Climate-

Precipitation—

Weather map—

Eye wall—

Weather front—

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Answer the following questions in complete sentences.

1. What chemical process has occurred to the Statue of Liberty? What color has that made the statue? Why?
2. The temperature is the same at 12:00 for two straight days, however, the second day seems cooler. On which day was the humidity higher?
3. In what layer of the atmosphere does life function and exist?
4. What is the chemical formula for water?
5. The earth has mainly what type of water?
6. Where are the fresh water sources on the earth?
7. What are the three types of rocks and how are each formed?
8. What are the three main factors that affect earth's weather?
9. What causes wind?
10. How are thunderstorms formed?

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11. Name and describe the stages of a tornado?

12. How do clouds form?

13. Explain plate tectonics, how they are thought to have come about, and weather conditions created by their movement.

Draw the following items:

1. Hydrologic cycle

2. The four main cloud types and their names: