

Name: _____

Date: _____



GENIUSCHALLENGE

INTRODUCTION TO CLIMATE CHANGE

1. _____ is day-to-day variation of the atmosphere's conditions locally.

_____ is the long-term average weather over a large area.

2. What are some examples of evidence that Earth's climate has changed over time?

3. After examining data showing changes in the amount of sunlight reaching Earth over time, the number of major volcanic eruptions, and many other possible causes for the increase in Earth's global temperature, scientists have determined that _____ is the most likely cause.

4. What are some greenhouse gases? _____

5. How does an increase in greenhouse gases in the atmosphere cause an increase in global temperature?

6. What are examples of fossil fuels? _____

7. What are some of the consequences of climate change?

8. _____ like solar cells, biofuels, wind turbines, and ocean waves can be used to replace fossil fuels.

9. _____ are trying to create better batteries that can store more energy, so that electric cars can travel further on one charge.

10. How can climate change caused by human activity be stopped and reversed?
