

Name: _____

Date: _____



GENIUSCHALLENGE

EXTREME WEATHER SOLUTIONS

1. Which of these is not an example of extreme weather?

- a. a sunny day b. heavy wind c. floods d. heat wave

2. How can looking at past patterns of hurricanes help us lessen the impact of future hurricanes?

3. Explain how a lightning rod works.

4. Which solution was most effective at preventing flooding, according to the team's tests?

- a. no barrier b. barrier wall c. rocks d. recurved wall

5. Fill in the blanks using the words **slanted ends** and **flat ends**.

A hip roof PROTECTS against damage from heavy winds because wind is deflected off of its

_____ . The force of heavy winds can push against the

_____ of a gable roof making it more likely to break.

6. True or false: heat waves can lead to wild fires. _____

7. True or false: to lessen the impact of heat waves, roads can be painted white. _____

8. What can humans do about extreme weather?

9. What is the purpose of a safe room?

10. Which type of extreme weather is more likely in the Midwest of the USA than other parts of the world?

- a. tornadoes b. hurricanes c. heat waves d. flooding