Name: _____

INTERVENTION 8.4.5 HAZARDS

TASK 1: Using the online textbook https://www.ck12.org/user:dxrhac1vzxitzg9llnbhcnruzxjay2sxmi5vcmc./book/8th-Grade-Science-for-UT-SEEd-Standards/section/5.5/ complete the reading guide.

Natural Hazards

11. A natural _____ is an event that occurs in nature that has the potential to cause harm to humans or their property.

12. Fill in the chart with types of natural hazards:

Natural Hazards that are a result of Geology	Natural Hazards that are a result of the atmosphere

Predicting Natural Hazards

13. Explain how the following natural hazards are predictable:

a. volcanic eruptions-

b. tornadoes & hurricanes-

c. landslides & rockfalls-

14. Some natural hazards, like _____, are nearly impossible to predict.

A Good Prediction

15. Scientists are a long way from being able to predict earthquakes. To be useful, a good prediction must be _____ and _____.

Where?

16. Where an earthquake will occur is the easiest feature to predict. Earthquakes tend to happen where they've occurred before. Scientists know that earthquakes take place at _____ boundaries or along major _____ in the interior of continents, like the Wasatch Fault.

When?

17. When an earthquake will occur is much more difficult to predict. Since _____ on a fault builds up at the same rate over time, earthquakes should occur at regular intervals. But so far scientists cannot predict when quakes will occur, even to within a few _____.

Preventing Natural Hazards from Becoming Natural Disasters

18. Explain how the following technologies can help us predict catastrophic natural disasters and mitigate their effects.

a. Seismograph-

b. Satellite Images-

c. Doppler Radar-

d. Tsunami Buoys-

e. Avalanche Control-

f. Building features to help withstand earthquakes-

  a.

  b.

  c.

  d.

  e.

TASK 2: Go to the following website to read about the 10 deadliest natural disasters world-wide for 2017. Fill in the chart as you read. Click the NEXT arrow to get started. https://www.usnews.com/news/best-countries/slideshows/10-of-the-deadliest-natural-disasters-of-2017

RANK	Location	# of Deaths	Event	Fact
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				

1. What type of event seemed to cause the most deaths overall?

2. Where would you most likely be able to live to avoid natural disasters? Explain your reasoning.