

Earthquake activity 4: **Earthquake Vocabulary Game**

Description: Crossword puzzle, using earthquake terminology.

Materials: crossword puzzle worksheet

Teacher instructions:

This activity uses the vocabulary introduced in activity 3.

1. Distribute the puzzles.

Answers to puzzle:

Across

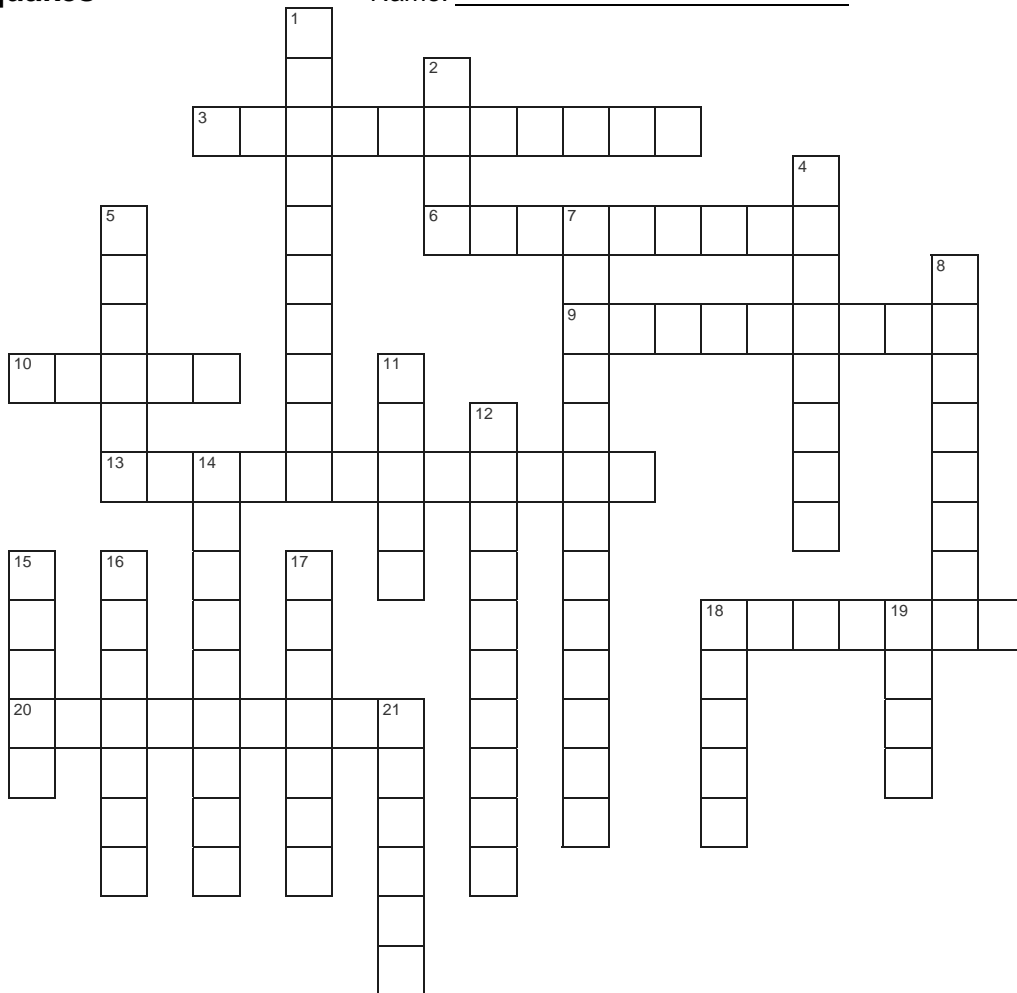
3 Seismograph
6 Epicentre
9 Magnitude
10 Shear
13 Seismicwaves
18 Pacific
20 Landslide

Down

1 Seismogram
2 Zone
4 Tectonic
5 Stress
7 Compressional
8 Mercalli
11 Focus
12 Earthquake
14 Intensity
15 Fault
16 Tsunami
17 Arrival
18 Plate
19 Felt
21 Energy

Earthquakes

Name: _____



Across

- 3** Sensitive instrument used to record and measure earthquakes
- 6** The point on the earth's surface directly above the subsurface location of the earthquake
- 9** The unique measure of the amount of energy released during an earthquake
- 10** The S wave is also called the ___ wave
- 13** How earthquake energy is transmitted (2 words, ignore the space)
- 18** The 'Ring of Fire' encircles this ocean
- 20** An abrupt downhill movement of rock and soil, possibly triggered by an earthquake

Down

- 1** Recording of ground motions
- 2** A region in which earthquakes are common is a seismic _____
- 4** Large segments of the earth's crust and upper mantle are known as _____ plates
- 5** Force which can lead to sudden movement along a fault
- 7** The P wave is also called the _____ wave
- 8** A numeric scale from I to XII that describes earthquake effects
- 11** The subsurface location at which the energy of an earthquake is released
- 12** Sudden shaking of the ground
- 14** How the earthquake was felt locally
- 15** Zone of fractures or breaks in rocks where movements occur
- 16** A series of huge ocean waves that might be caused by an earthquake
- 17** The time at which a particular wave phase arrives at a seismograph station is known as the _____ time
- 18** Many earthquakes in western North America are associated with the Juan de Fuca _____
- 19** The Mercalli Scale is based on people's reports of what was _____ locally
- 21** An earthquake is the result of a sudden release of _____