|  |  |  |
| --- | --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Earthquakes and Volcanoes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1V |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 2S |  |  |  |  O |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  H |  |  |  |  L |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 3P |  Y |  R |  O |  C |  L |  A |  S |  T |  I |  C |  M |  A |  T |  E |  R |  I |  A |  L |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  D |  |  |  |  A |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 4V |  O |  L |  C |  A |  N |  I |  S |  M |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  W |  |  |  |  O |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  Z |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 5F |  O |  C |  U |  S |  |  | 6S |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 7E |  |  N |  |  |  | 8P |  |  E |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 9C |  A |  L |  D |  E |  R |  A |  |  W |  |  I |  |  |  |  |  | 10F |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  A |  |  |  |  |  |  A |  |  S |  | 11T |  |  |  |  A |  |  | 12E |  |  |
|  |  |  |  |  |  |  |  | 13L |  |  S |  |  |  | 14M |  |  V |  |  M |  |  S |  |  |  |  U |  |  |  P |  |  |
|  |  |  |  |  |  |  | 15E |  A |  R |  T |  H |  Q |  U |  A |  K |  E |  |  I |  |  U |  |  |  |  L |  |  |  I |  |  |
|  |  |  |  |  |  |  |  |  V |  |  I |  |  |  |  F |  |  |  |  C |  |  N |  |  |  |  T |  |  |  C |  |  |
|  | 16B |  O |  D |  Y |  W |  A |  V |  E |  |  C |  | 17S |  E |  I |  S | 18M |  O |  G |  R |  A |  P | 19H |  |  Z |  |  |  E |  |  |
|  |  |  |  |  |  |  |  |  |  |  R |  |  |  |  C |  |  A |  |  A |  |  M |  |  O |  |  O |  |  |  N |  |  |
|  |  |  |  |  |  | 20S |  W |  A |  V |  E |  | 21S |  |  |  |  G |  |  P |  | 22I |  N |  T |  E |  N |  S |  I |  T |  Y |  |
|  |  |  |  |  |  |  |  |  |  |  B |  |  U |  |  |  |  N |  |  |  |  |  |  S |  |  E |  |  |  E |  |  |
|  |  |  |  |  | 23S |  E |  I |  S |  M |  O |  G |  R |  A |  M |  |  I |  |  |  |  |  |  P |  |  |  |  |  R |  |  |
|  |  |  |  |  |  |  |  |  |  |  U |  |  F |  |  |  |  T |  |  |  |  |  |  O |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  N |  |  A |  |  |  |  U |  |  |  |  |  |  T |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  D |  |  C |  |  |  |  D |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  E |  |  | 24F |  E |  L |  S |  I |  C |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  W |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 25M |  A |  G |  M |  A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  V |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across****3.** What are fragments of rock that form during a volcanic eruption?**4.** What is any activity that includes the movement of magma toward or onto Earth's surface?**5.** What is the location within Earth along a fault at which the first motion of an earthquake occurs? **9.** What is a large, circular depression that forms when the magma chamber below a volcano partially empties and causes the ground above to sink?**15.** What is a movement or trembling of the ground that is caused by a sudden release of energy when rocks along a fault move?**16.** What is a seismic wave that travels the body of a medium?**17.** What is an instrument that records vibrations in the ground?**20.** What is a secondary wave, or shear wave?**22.** What is the amount of damage caused by an earthquake?**23.** What is a tracing of earthquake motion that is recorded by a seismograph?**24.** What describes magma or igneous rock that is rich in feldspar and silica and that is generally light in color?**25.** What is liquid rock produced under Earth's surface? | **Down****1.** What is a vent or fissure in Earth's surface through which magma and gases are expelled?**2.** What is an area on Earth's surface where no direct seismic waves from a particular earthquake can be detected?**6.** What is an area along a fault where relatively few earthquakes have occurred recently but where strong earthquakes are known to have occurred in the past?**7.** What is the sudden return of elastically deformed rock to its underformed shape?**8.** What is a primary wave, or compression wave?**10.** What is a region of numerous, closely spaced faults?**11.** What is a giant ocean wave that forms after a volcanic eruption, submarine, earthquake, or landslide?**12.** What is the point on Earth's surface directly above an earthquake's starting point, or focus?**13.** What is magma that flows into Earth's surface?**14.** What is igneous rock that is rich in magnesium and iron and that is generally dark in color?**18.** What is a measure of the strength of an earthquake?**19.** What is a volcanically active area of Earth's surace?**21.** What is a seismic wave that travels along the surface of an medium and that has a stronger effect near the surface of the medium than it has in the interior? |