Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Volcano Review

1. What is a volcano?
2. Complete the following table on volcano types

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Shield Volcano** | **Cinder Cone** | **Composite Cone** | **Hot Spot** |
| **Size of volcano** |  |  |  |  |
| **Describe the sides of the volcano** |  |  |  |  |
| **Type of eruption** |  |  |  |  |
| **Type of Boundary the volcano is formed at** |  |  |  |  |

1. Match the feature of the volcano to the correct description
   1. Crater \_\_\_\_\_\_ underground pockets of molten rock that feeds the volcano
   2. Caldera \_\_\_\_\_\_ a very large crater that forms from erosion or explosion
   3. Vent \_\_\_\_\_\_ normal, relatively small depression at the volcano’s peak
   4. Magma chamber \_\_\_\_\_\_ areas where lava or debris escapes from the volcano
2. Name the two factors that affect the violence of an eruption.
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the lava, the more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the eruption.
4. The more gasses dissolved, the more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the eruption.
5. Complete the Lava Flow Table

|  |  |  |
| --- | --- | --- |
|  | **AA** | **Pahoehoe** |
| **Temperature** |  |  |
| **Type of lava** |  |  |
| **Speed it moves** |  |  |

1. Match the type of volcanic hazard with the correct description
   1. Tephra \_\_\_\_\_\_\_\_\_\_ The most damaging form of tephra b/c of its weight as it builds up
   2. Lapilli \_\_\_\_\_\_\_\_\_\_ any debris that comes from a volcano
   3. Bombs \_\_\_\_\_\_\_\_\_\_ football sized pieces of rock that travel very fast
   4. Ash \_\_\_\_\_\_\_\_\_\_ an avalanche of superheated gas and rock made as hotter more

dense lava erupts from the volcano

* 1. Pyroclastic Flow \_\_\_\_\_\_\_\_\_\_ pebbles, no more than several centimeters in diameter
  2. Lahar \_\_\_\_\_\_\_\_\_\_ dense, rapid mudflows created as water mixes with ash

1. These two different volcanic hazards are so dangerous because one can dissolve organic material and metals and because the other hazard is colorless and odorless so people do not know it is present in the air. What are the two hazards?
2. Explain how volcanoes can benefit humans.
3. Identify the type of volcano from its description
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ this volcano has been eroded
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ this volcano has erupted in recent history
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ this volcano has erupted in the past several thousand years