

## P4 Science Term 4

Fill in the blank with the correct answer.

igneous	lava	earthquake	two or more	weathering
soil	geologists	tectonic	rock	pumice

1. The shaking of Earth's surface is called \_\_\_\_\_
2. Plants grow in mineral rich \_\_\_\_\_
3. \_\_\_\_\_ are scientists who study rocks.
4. Molten rock outside a volcano is called \_\_\_\_\_
5. Rocks formed from cooled magma or lava are called \_\_\_\_\_ rocks.
6. Concrete and cement are made of minerals from \_\_\_\_\_.
7. The giant moving plates of Earth's crust are called \_\_\_\_\_ plates
8. \_\_\_\_\_ is the example of igneous rock.
9. Temperature, rain, and wind breaking down rocks is called \_\_\_\_\_.
10. A rock is made of \_\_\_\_\_ mineral.

Write true if the sentences are correct. Write false if the sentences are incorrect.

1. Molten rock **inside** the earth is called magma. \_\_\_\_\_
2. The Marble Temple in Bangkok is made from marble. \_\_\_\_\_
3. A rock formed from compacted and cemented sediments is called a metamorphic rock. \_\_\_\_\_
4. Sedimentary rocks made from compacted organic material are called bioclastic. \_\_\_\_\_

5. Rocks are made up of two or more soil. \_\_\_\_\_
6. When sediments are moved by wind and water it is called weathering.  
\_\_\_\_\_
7. Rocks that are changed by heat and pressure are called sedimentary rock.  
\_\_\_\_\_
8. The shaking of Earth's surface is called erosion. \_\_\_\_\_
9. Glass is made from sand. \_\_\_\_\_
10. Plants grow in the rich soil. \_\_\_\_\_

Choose the correct type of rock. (igneous, Sedimentary, Metamorphic)

marble 	sandstone 	coal 	conglomerate 
granite 	pumice 	slate 	obsidian 

Circle the correct answer.

1.



(breccia)

clastic / bioclastic

2.



(coal)

clastic / bioclastic

3.



(shale)

clastic / bioclastic

4.



(conglomerate)

clastic / bioclastic

5.



(limestone)

clastic / bioclastic

Write if they are weathering or erosion.

1. Flowing water moving away soil. \_\_\_\_\_
2. Wind breaking away pieces of rock. \_\_\_\_\_
3. Rain causing boulders to crack and break. \_\_\_\_\_
4. Tidal waves taking sand deeper into the ocean. \_\_\_\_\_
5. Wind pushing dust and sediments to different places. \_\_\_\_\_
6. Tree roots pushing rocks against each other and causing them to crack.  
\_\_\_\_\_
7. Rain washing away soil. \_\_\_\_\_

Write 4 ways that humans can work to prevent weathering and erosion to our soil.  
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1. You should logging.

2. You should plant more trees.

3. You should keep soil damp through watering.

4. You should plant cover crops in unused land.

5. You should cut down trees.

Draw and label the rock cycle using these words.

Magma

Lava

Metamorphic

Sedimentary Rock

cooling

Sediment

Igneous

heat and pressure

weathering or erosion

melting

compaction and Cementation

