

# Rock Cycle!

## Lab Worksheet for

### "How Do Rocks Undergo Change?"

Name \_\_\_\_\_

#### Step (page) 1: Read the introduction and picture captions:

1. What are the three types of rocks?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

2. What is one way igneous rocks form in Hawaii?

\_\_\_\_\_

#### Step 2: Click on the Magma Chamber and then on the Lava and fill in the blanks:

Magma flows out of the volcano and \_\_\_\_\_ to form igneous rock. Quick \_\_\_\_\_ creates the many small crystals. Holes in the rock are formed from \_\_\_\_\_ bubbling out of the lava.

When solid igneous rock erodes it forms \_\_\_\_\_.

#### Click on the rain cloud and then the map locations and answer the questions:

1. In Alaska, what shaped the valley? \_\_\_\_\_
2. What materials are carried away by waves to form the sea cliffs of California?  
\_\_\_\_\_ and \_\_\_\_\_.
3. What eroded sand to form the Arches in the National Park? \_\_\_\_\_

#### Click on the flowing stream and the sediment bank and fill in the blanks:

Water flows and \_\_\_\_\_ sediments down a hill. The sediments are \_\_\_\_\_ as the stream slows down when it reaches deeper water. The larger \_\_\_\_\_ sized sediments pile up near the shore and further out the \_\_\_\_\_ grains settle out on the sea floor. Finally, the smaller \_\_\_\_\_ particles settle furthest from the shore. Over time, the sand and minerals are \_\_\_\_\_ together to form Sedimentary Rock called Sandstone.

**Click on the rocks that are dragged downward and fill in the blanks:**

Deep underground, rocks are exposed to high \_\_\_\_\_ and \_\_\_\_\_.  
This squeezes the \_\_\_\_\_ grains and forms \_\_\_\_\_ rock in a process  
called \_\_\_\_\_. As the Metamorphic rock is dragged deeper, the minerals melt  
and form \_\_\_\_\_ to start the rock cycle all over again!

**Step 3. What processes form each type of rock?**

Igneous: \_\_\_\_\_

Sedimentary: \_\_\_\_\_

Metamorphic: \_\_\_\_\_