



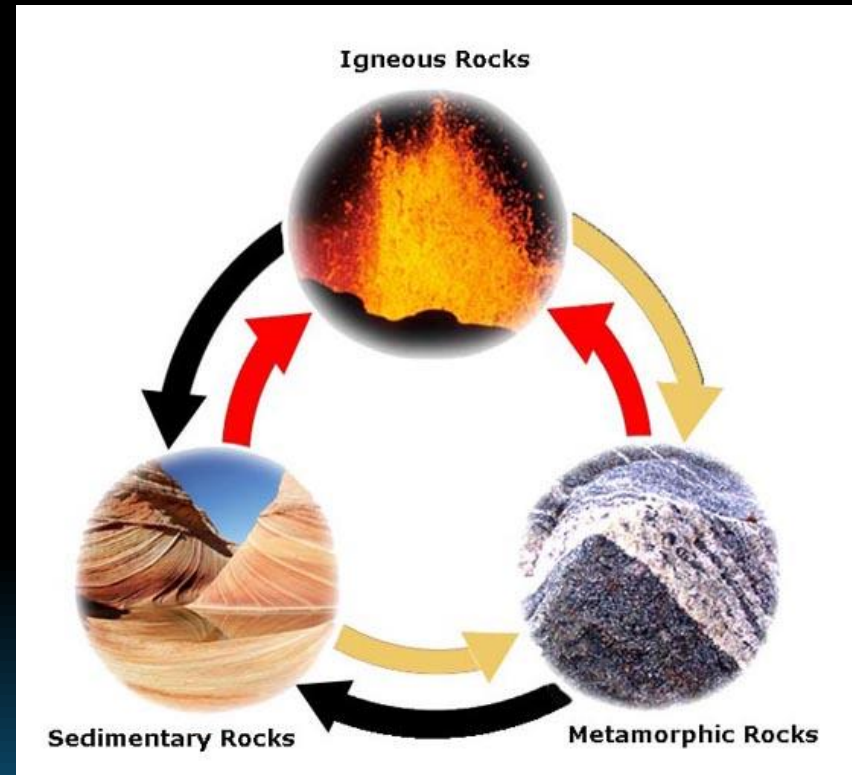
Lets Rock!

THE ROCK CYCLE

3 Types of Rocks

There are 3 different types of rocks;

- Igneous
- Sedimentary
- Metamorphic



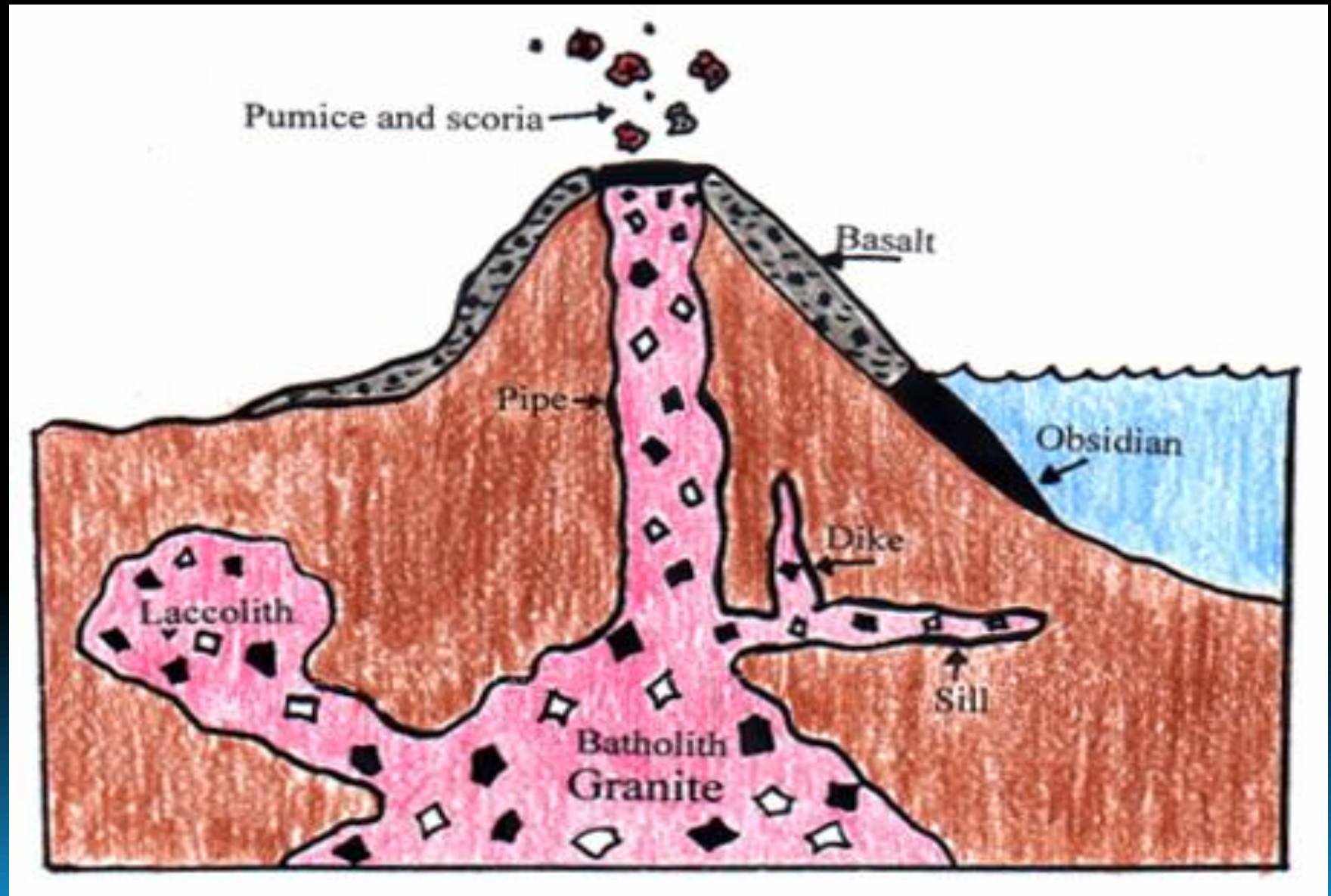
Igneous Rock

Igneous rocks are formed by magma and lava as it cools. Igneous rocks form in two different ways.

- ❑ Rock that comes from lava cools very fast and can either be very light and airy or the rocks can be glassy.
- ❑ Rocks that come from magma are formed under ground. They are often times very hard and have more colors.



Igneous rock

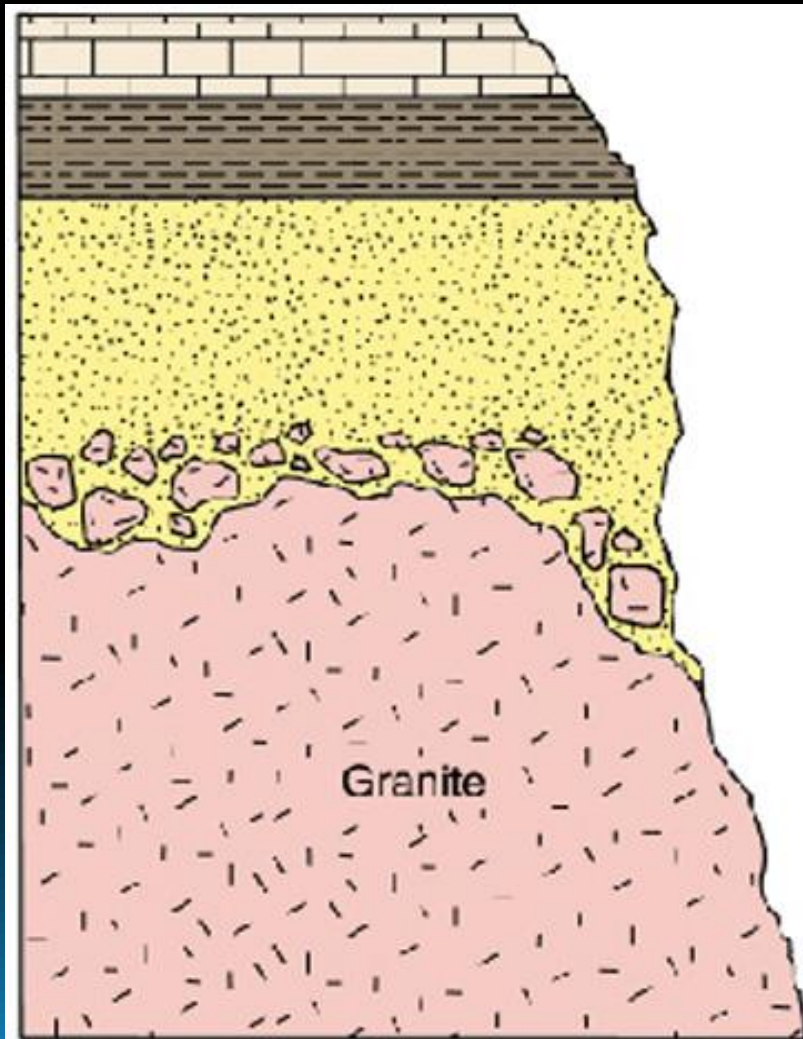


Sedimentary Rock

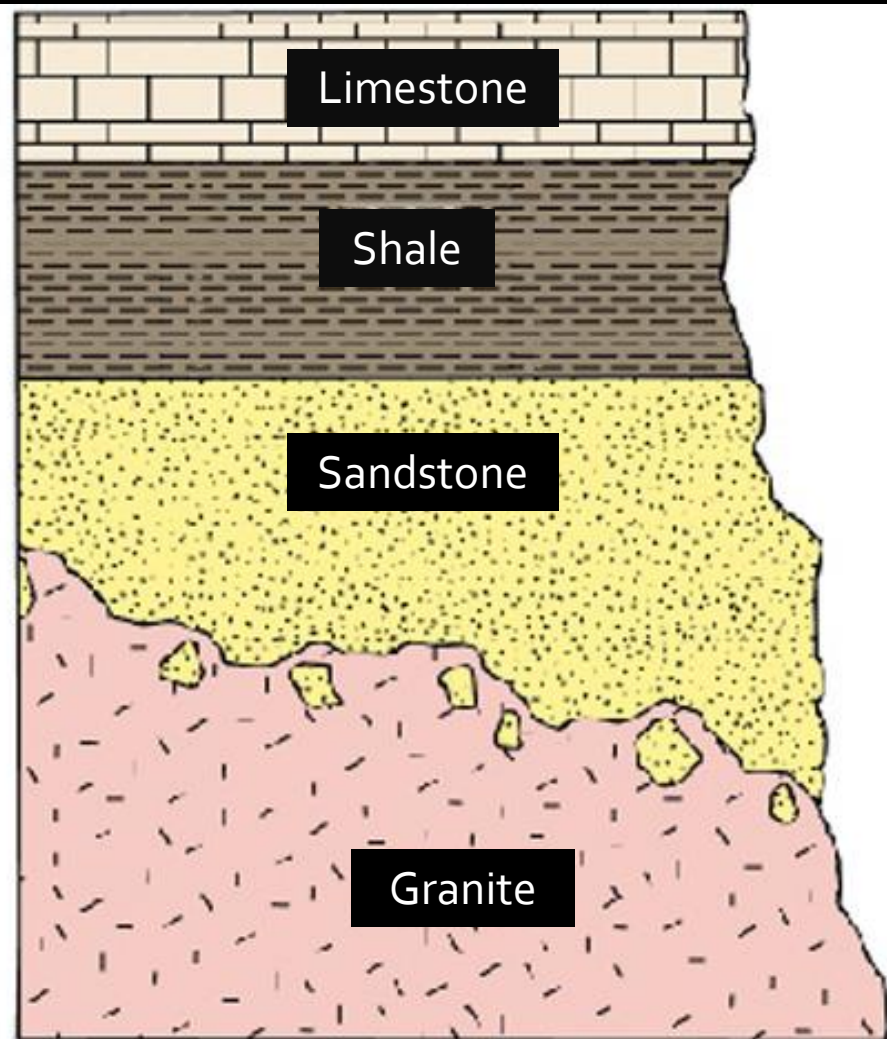
- Sedimentary rock is made when sediments (sand, gravel, and dirt) are pressed together over time and become a rock
- Sedimentary rock is formed in layers.



Sedimentary Rocks



A



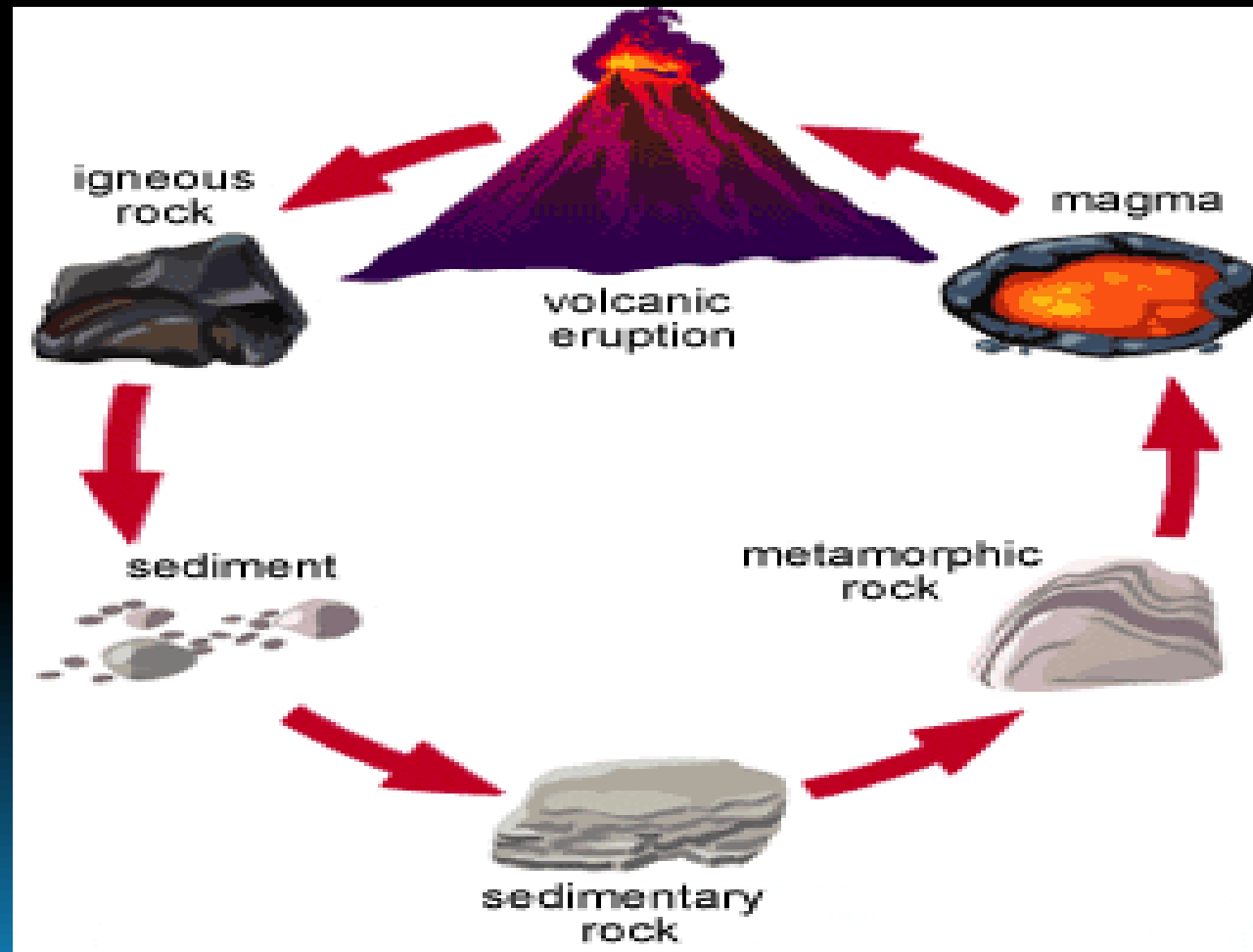
B

Metamorphic Rock

- Metamorphic rocks are made from other rocks.
- Heat and pressure help change an igneous or sedimentary rock into a new kind of rock (think about how a caterpillar becomes a butterfly)



The Rock Cycle





PARTS OF ROCKS



Rocks have many different parts

- Rocks can be sorted into groups by looking at their parts. Some rock parts are:
 - ▣ Crystals
 - ▣ Grains

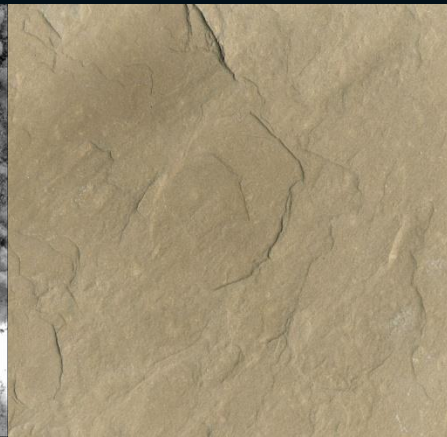
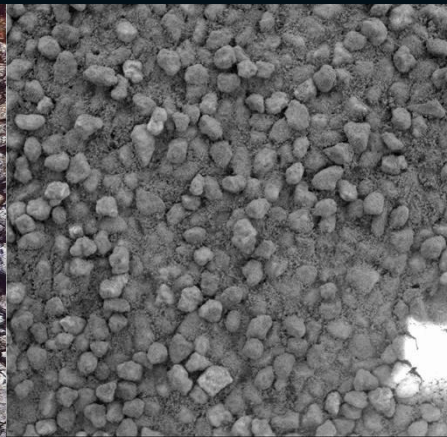
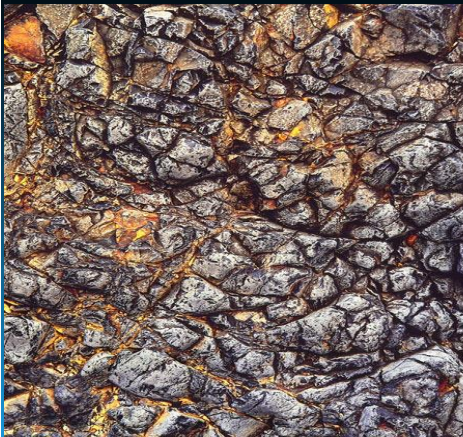
Crystals

- Crystals are different atoms that are formed in a pattern. They can be big or small, fat or thin.



Grains

- Grains are smaller pieces of rock or sediment. Grain size is something that is used a lot to help decide the rock type.





Rock Explorers

- Lets look at some rocks!
- Get a partner and a magnifying glass
- Come and pick up a rock (you will be looking at one rock at a time)
- You and your partner will take turns looking at the rock. Decide if you think that crystals are large or small. Look to see if it has grains.