

Basalt



A dark, dense, igneous rock with a fine texture, found in oceanic crust

# Bituminous Coal



The most common form of coal; produces a high amount of heat and is used extensively by electric power plants.

Softer, more sulfur- Sedimentary

Calcite



Looks almost like fluorite and can be any color, but it's a little softer and it has a more rhombus like shape.  
DISSOLVES IN HCl ACID.- Number 2 on the Mohs Scale

# Conglomerate Rock



a sedimentary rock made from small rounded stones that have been cemented together



Copper



A common reddish metallic element that is ductile and malleable and one of the best conductor of heat and electricity-Turns green when misted for a while

Feldspar



any of a group of hard crystalline minerals that consist of aluminum silicates of potassium or sodium or calcium or barium

Flourite



Almost any color, a little harder than calcite, usually has dipyramidal or cubic structure. Fluorescent.

Galena



Dark gray; metallic luster; Dark gray streak;  
Hardness: 2.5; Isometric crystal



Garnet



NM. H = 7. Streak: White. Color usually, red, black, or brown. Sometimes yellow, green, pink. Forms dodecahedrons. Cleavage absent but may have parting. Brittle, translucent to opaque.- Metamorphic

Gneiss



A rock: Metamorphic, foliated, medium to coarse grained texture, has light and dark bands, wide range of parent rocks.

Granite



A usually light-colored rock that is found in continental crust., A usually light colored igneous rock that is found in continental crust, is the most abundant intrusive rock, and forms the core of many mountain ranges

# Graphite



black carbon used for drawing or writing



Gypsum



A mineral used in the formation of Plaster of Paris and stone.

Halite



Cubic crystal, salty taste, dissolves in water

# Hematite



Black and shiny, dark gray and dull, or rusty red, almost always cool to the touch, streak is cherry-red

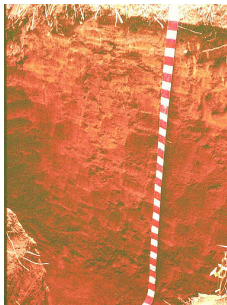
Igneous



A type of rock that forms from the cooling of molten rock at or below the surface



# Kaolinite



Looks like chalk but is actually clay

# Limestone



A sedimentary rock consisting mainly of calcium that was deposited by the remains of marine animals.

Marble



Coarse, crystalline; Parent rock was limestone or dolostone; Composed essentially of calcite or dolomite crystals; Used as a decorative and monument stone; Exhibits a variety of colors- Metamorphic

# Metamorphic



A type of rock that forms from an existing rock that is changed by heat, pressure, or chemical reactions



# Mica-Biotite



(top black piece)

# Obsidian



A usually black or banded, hard volcanic glass that displays shiny, curved surfaces when fractured and is formed by rapid cooling of lava-Igneous, very glossy

Pumice



A type of igneous rock that contains air bubbles

Pyrite



An oxygen deficient environment may be indicated by the presence of the following mineral...- Somtimes known as "fools gold"



# Quartz-Chert



A mineral found in sand, it is used for making glass as well as electronic equipment and watches.

# Quartz-Crystal



a hard glossy mineral consisting of silicon dioxide in  
crystal form #7 on the Mohs Scale

# Quartzite



Formed from a parent rock of quartz-rich sandstone;  
Quartz grains are fused together-Metamorphic

# Sandstone



A sedimentary rock formed by cementing grains of sand over time.



Scoria



A volcanic rock containing many holes- Igneous

Sedimentary



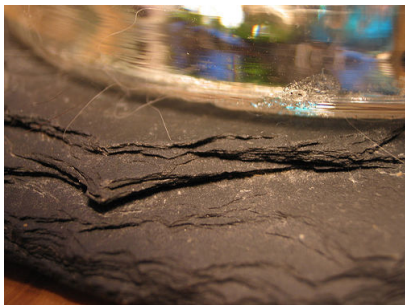
A type of rock that forms when particles from other rocks or the remains of plants and animals are pressed and cemented together.

Shale



A fine-grained sedimentary rock (grains finer than 1/16 millimeter in diameter) formed by the cementation of silt and clay (mud). Has thin layers (laminations) and an ability to split (fissility) into small chips.

Slate



Metamorphic, layered foliation, hard, preexisting  
parent rock is shale



Talc



Grayish Brown, White Streak, Silicate, Resist heat, electricity, acid, waxy, hardness of 1, softest mineral