

## IGNEOUS ROCK

- **Intrusive (plutonic):** rocks formed in mantle from slowly cooling \_\_\_\_\_, have larger (\_\_\_\_\_) crystals
- **Extrusive (volcanic):** rocks formed on surface from quickly cooling \_\_\_\_\_, have smaller (\_\_\_\_\_) crystals
- **Color:** color of igneous rocks are clues to mineral composition
- Light-colored rocks = \_\_\_\_\_ in silica content
- Dark-colored rocks = \_\_\_\_\_ in silica content
- Common igneous rocks:
  - \_\_\_\_\_ (used for building material)
  - \_\_\_\_\_ (abrasive)
  - \_\_\_\_\_ (ancient tools/weapons)

## THE ROCK CYCLE

- **Mineral:** a solid, \_\_\_\_\_, crystalline, naturally occurring, \_\_\_\_\_ substance. Can be an element or a compound.
- **Rock:** solid mixture of two or more \_\_\_\_\_ (or other substances).
- **Rock Cycle:** slow cycle that \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ rocks
- Rocks are classified by \_\_\_\_\_, \_\_\_\_\_, & mineral \_\_\_\_\_
- **Texture:** \_\_\_\_\_ and \_\_\_\_\_ of a rock's surface because of its grains (\_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_)
- **Grains:** small particles or \_\_\_\_\_ or rocks

## SEDIMENTARY ROCK

- Sedimentary rocks formed by a series of processes: erosion, deposition, and \_\_\_\_\_ (compaction and cementation).
- **Sediment:** small rock fragments (\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_)
- **Erosion:** \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_ loosen and carry away sediment
- **Deposition:** sediment settles out of water, wind, ice in \_\_\_\_\_
- **Compaction:** \_\_\_\_\_ of sediments by weight of many layers
- **Cementation:** dissolved minerals \_\_\_\_\_ particles of sediment together
- **Clastic Rock:** rock fragments \_\_\_\_\_ together
- **Organic Rock:** rock made from \_\_\_\_\_ and \_\_\_\_\_ remains
- **Chemical Rock:** when dissolved minerals \_\_\_\_\_ from water

## METAMORPHIC ROCK

- Metamorphic rocks formed by other rocks undergoing intense \_\_\_\_\_ and \_\_\_\_\_ (metamorphism).
- **Foliated Rocks:** rocks with grains arranged in \_\_\_\_\_ or \_\_\_\_\_
- **Nonfoliated Rocks:** rocks with grains arranged \_\_\_\_\_

