

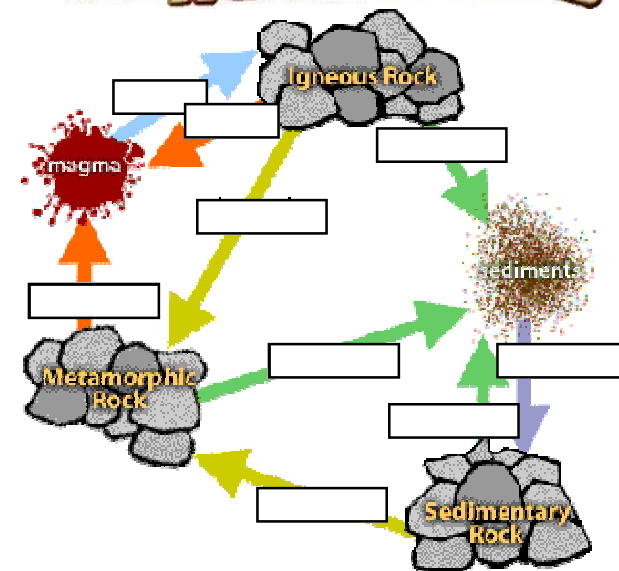
Words to Know

BATHOLITH
 BRECCIA
 CEMENTATION
 CLASTIC SEDIMENTARY ROCK
 COMPACTION
 CONGLOMERATE
 CONTACT METAMORPHISM
 DIKE
 EVAPORITES
 EXTRUSIVE IGNEOUS ROCKS
 FOLIATED
 FOSSIL
 IGNEOUS ROCK
 INTRUSIVE IGNEOUS ROCK
 METAMORPHIC ROCK
 METAMORPHISM
 NONFOLIATED
 ORGANIC SEDIMENTARY ROCK
 PORPHYRITIC
 REGIONAL METAMORPHISM
 ROCK CYCLE
 SEDIMENT
 SEDIMENTARY ROCK
 SILL

.....
 ANTHRACITE
 BITUMINOUS COAL
 CARBONIZATION
 CRUDE OIL
 FOSSIL FUEL
 GEMSTONE
 GEOTHERMAL ENERGY
 HYDROCARBON
 HYDROELECTRIC ENERGY
 LIGNITE
 NONRENEWABLE RESOURCE
 NUCLEAR FISSION
 NUCLEAR FUSION
 ORE
 PEAT
 PETROCHEMICAL
 PLACER DEPOSIT
 RENEWABLE RESOURCE
 SOLAR COLLECTOR
 VEIN

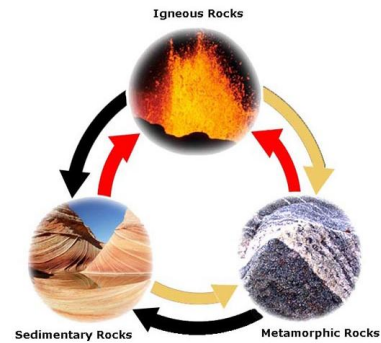
Rocks & Resources

The Rock Cycle



There are five processes involved in the rock cycle. Place the correct # in the appropriate box.

- 1 - Compaction & Cementation
- 2 - Cooling
- 3 - Heat & Pressure
- 4 - Melting
- 5 - Weathering & Erosion



Name	Advantages	Disadvantages
SOLAR		
GEO-THERMAL		
WIND		
TIDAL		
HYDRO-ELECTRIC		
NUCLEAR		

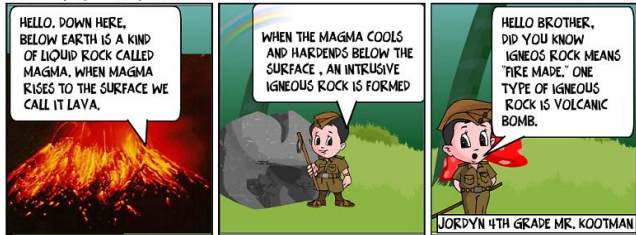
How does a coal-fired powerplant generate electricity?

How is that different than a nuclear powerplant?

Explain the difference between nuclear fission and nuclear fusion.

Which do we use at Shearon Harris Nuclear Powerplant?

Mastery Anyone?



Intrusive Igneous:

- How formed -
- Examples -

Extrusive Igneous:

- How formed -
- Examples -



SEDIMENTARY ROCK

Classified based on how they are formed. Explain each type.

Clastic:

Chemical:

Organic:

Features of Sedimentary Rocks:

- Ripple Marks -
- Mud Cracks -
- Fossils -

METAMORPHIC ROCK

Formed in Two Ways:

- 1.
- 2.

Two Types

Foliated:

- Which means-
- Examples -

Nonfoliated:

- Which means -
- Examples -

Nonrenewable - vs - Renewable Resources

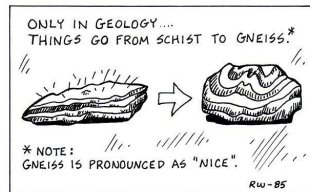
Nonrenewable means

Examples:

Renewable means

Examples:

OPAL'S PALS



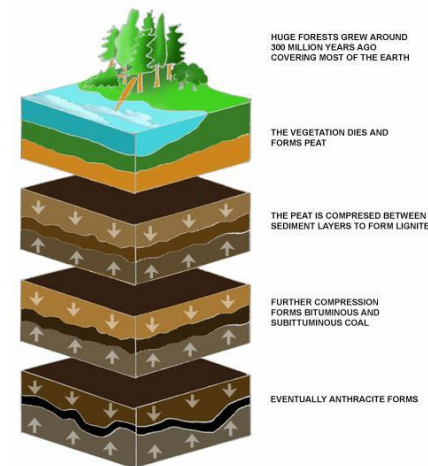
MINING

List and explain 2 types of mining:

What is reclamation?

How does it affect the environment?

How does it affect the mining industry?



Identify and explain each of the four stages in coal production

What is the meaning of this cartoon?

