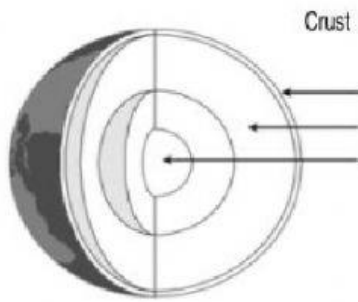
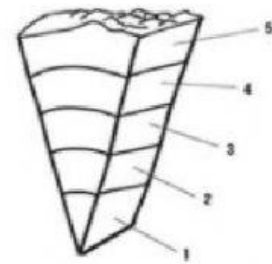


**Label the diagrams:**



Crust    Mantle    Core

lithosphere    asthenosphere    mesosphere    Inner core    Outer core



Grain size

Grain shape

Grain pattern

- A. fine or coarse grained
- B. rounded or jagged grain
- C. nonbanded or banded (layers) grains

Igneous rock

Sedimentary rock

Metamorphic rock

- A. Forms when small particles of rock or remains of plants and animals are pressed and cemented together
- B. Forms from cooling of magma/lava
- C. Forms when rock is changed by heat or pressure

Intrusive rock

Extrusive rock

- A. Forms from lava that erupted onto earth's surface (outside)
- B. Forms when magma hardens beneath earth's surface (inside)

Clastic

Chemical

Organic

- A. Forms when minerals dissolved in a solution crystallize
- B. Forms when rock fragments are squeezed together
- C. Forms when remains of plants and animals are deposited in layers

Foliated

Nonfoliated

- A. Mineral grains are arranged randomly
- B. Mineral grains are arranged in bands or layers