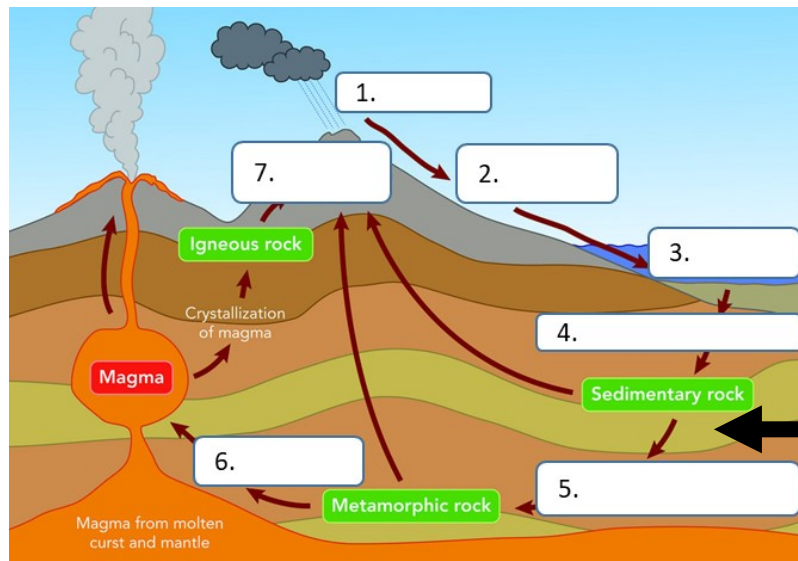
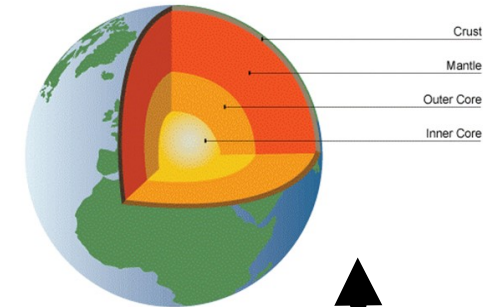
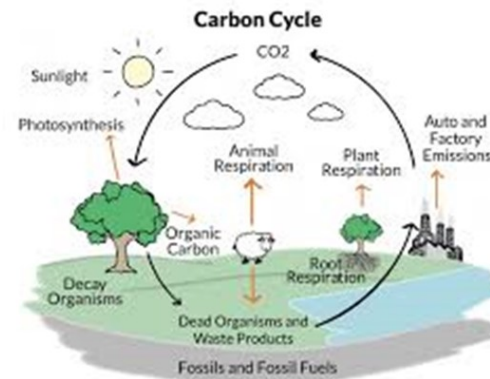




| 1: Rock Properties | | Which rocks are these features common in? | | |
|---------------------------|--|---|-------------------|---------------|
| Keyword | Meaning and example | Sedimentary rocks | Metamorphic rocks | Igneous rocks |
| Rock | A substance made of minerals | ALL | ALL | ALL |
| Porosity | Holes within a rock, i.e pumice | Y | | |
| Permeability | The ability of water to flow through a porous rock | Y | | Only pumice |
| Texture | i.e. Crumbly (sandstone), Brittle (slate) | Y | | |
| Density | i.e. High density (granite), low density (pumice) | LOW | MEDIUM | HIGH |
| Layers | Sediment grains are deposited in layers | Y | | |
| Layers of Crystals | When a rock experiences heat & pressure | | Y | |
| Small Crystals | Formed by extrusive magma, cooled fast | | | Y |
| Large Crystals | Formed by intrusive magma, cooled slow | | | Y |

| 2: Weathering and Erosion | |
|---------------------------|---|
| Keyword | How the process works: |
| Weathering | The act of weather conditions breaking down rocks - either by physical, biological or chemical weathering |
| Erosion | The gradual destruction by wind, water, or other natural agents. |
| Freeze-Thaw | Hot-cold climates (i.e. desert): water enters rock, freezes, expands then melts. This repeats until a rock breaks |
| Onion Skin | Hot-cold climates (i.e. desert): rock surface expands during hot days, contracts during colder night until outer 'layers' break off |
| Abrasion | The removal of rock edges by friction/movement |
| Transportation | Rocks can be moved by water, wind and ice |
| Deposition | Rocks are dropped off after being transported |



| Section 3: Rock Cycle | |
|-----------------------|----------------------------------|
| 1 | Weathering and erosion |
| 2 | Transportation and deposition |
| 3 | Sedimentation |
| 4 | Compaction and Cementation |
| 5 | High temperature & high pressure |
| 6 | Melting |
| 7 | Uplift to surface |

| 4: Structure of the Earth | |
|---------------------------|-------------------------------------|
| Layer | Composition |
| Atmosphere | 79% Nitrogen, 20% Oxygen & 1% Other |
| Crust | Thin, rocky, outer layer |
| Mantle | Molten rock |
| Outer Core | Liquid Nickel and Iron |
| Inner Core | Solid Iron |