

REVIEW

Unit 5 – Planet Earth

1.0 Changes on the Earth's Surface

- ❖ Layers: **Crust, Mantle, Core** (Inner and Outer)
- ❖ **Earthquakes** and **Volcanoes** can suddenly change the Earth's surface
- ❖ Scientist's use a variety of tools and technologies to investigate the Earth's forces
- ❖ Wind, water and ice change the Earth's surface slowly

2.0 Rock Cycle

- ❖ Rocks are composed of minerals and have distinctive characteristics
- ❖ Three classes include: **igneous, metamorphic** and **sedimentary**
- ❖ Breaking down and transforming rock is explained in the **rock cycle**
- ❖ Sedimentary rocks are the most common found in Alberta

3.0 Landforms change

- ❖ The **Theory of Plate Tectonics** describes the huge chunks of rock called plates that move on the Earth's surface
- ❖ Continents and Ocean floors are carried on the plates which are moving on the partly melted mantle
- ❖ The collisions and rubbing together of these plates forms the mountains

4.0 Fossils – Evidence of Earth's Changes over Time

- ❖ **Fossils** are living or non-living things preserved in stone
- ❖ Fossil evidence is interpreted and conclusions are based mostly on inferences because the fossil remains are incomplete
- ❖ **Geological Time** divides the history of the Earth into four periods, called **Eras**.
- ❖ Determining what animals and plants looked like from fossil records is often based on inferences