

# The Earth – Under Earth

1<sup>st</sup> – Read the information.

Questions

2<sup>nd</sup> – Write down the information so you can understand it.

**Presentation is key**



Sources

Rare Earth elements are not rare. [Lutetium](#), one of the rarest elements is nearly **200 times** more common in the earth's crust than gold. **99%** of earths gold lies in its core. There is enough to form a **1.5 foot** coat around the surface of the earth. At the heart of the earth is a solid **1,500 mile** wide ball of iron. Although it is white hot the pressure is so high the iron cannot melt. The [temperature at the earths core](#) is roughly **6000°C**. Earth's core is the furnace of the geothermal gradient.

The geothermal gradient measures the increase of heat and pressure in Earth's interior. The geothermal gradient is about **25° Celsius per kilometre** of depth. The [Kola Superdeep Borehole](#), **12,262m deep**, reigns as the deepest hole. **4 km** below the amazon river lies the [Rio Hamza river](#). At some points over **400 km** wide, it flows at less than **1 mm per hour** through the rock.