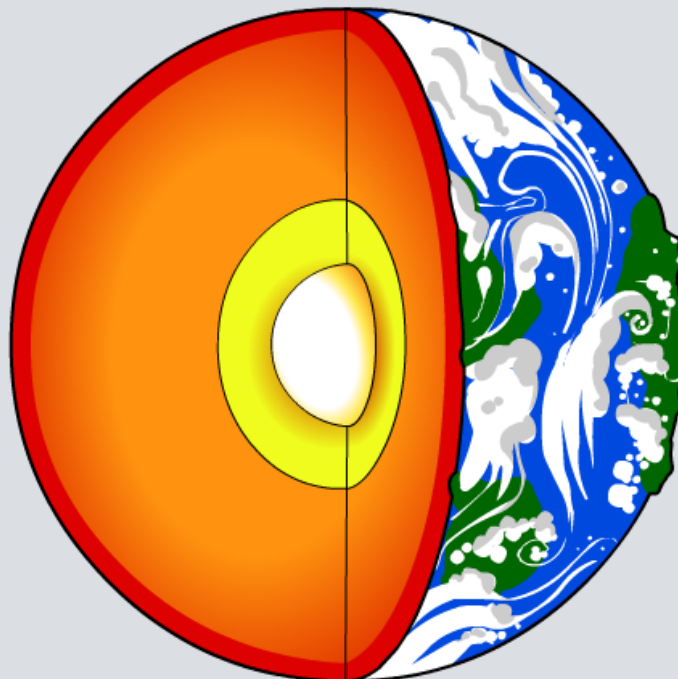


# Earth's Structure



# How has the Earth changed?

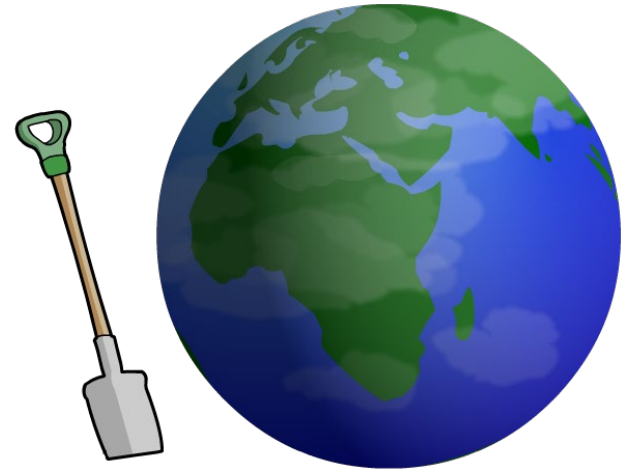


# What is the Earth made out of?

If it was possible to dig to the center of the Earth, what would you find?

You would dig through three sections:

- **crust** – the rocky, outer layer beneath your feet.
- **mantle** – the semi-liquid, very high temperature layer below the crust. The cooler section near to the crust is less mobile than the hotter section next to the core (known as the asthenosphere).
- **core** – the layer at the center of the Earth. This layer is divided into two sections: the liquid, **outer core** and the solid, **inner core**.



# Cross-section of the Earth



# What is the Earth's crust made of?



Many of the useful substances we get from the Earth's crust are minerals, which contain metals.

Here are the names and formulae of some of the most common minerals.

mineral	formula	metal extracted from it
haematite	$\text{Fe}_2\text{O}_3$	iron
bauxite	$\text{Al}_2\text{O}_3$	aluminum
galena	$\text{PbS}$	lead
rutile	$\text{TiO}_2$	titanium
chalcopyrite	$\text{CuFeS}_2$	copper

