



EARTH'S LAYERS

COMPOSITIONAL

Chemical components of each layer

1.

2.

3.

CORE

mostly iron and nickel

MESOSPHERE

up to 2900 km thick;
forms the lower mantle

MANTLE

more iron and
magnesium than
the crust

INNER CORE

up to 1250 km thick; a
solid ball due to
intense pressure

LITHOSPHERE

averages to about 100 km thick; crust and
top portion of the mantle; where tectonic
plates are found

MECHANICAL

Physical properties of each layer

1.

2.

3.

4.

5.

LIVE **LIVEWORKSHEETS**

Where do geological processes happen?

Earthquakes happen when tectonic plates move past each other. The energy released during this process causes seismic waves and shaking in the **Earth's crust**.

Erosion is a natural geological process in the **Earth's crust** that involves the gradual wearing away and removal of materials, such as soil, rock, and sediments, by natural forces.

Volcanic eruptions happen when molten rock called magma, coming from the **Earth's mantle**, rises up through volcanoes or cracks in the surface.