

WORKSHEET

Internal layers of the Earth

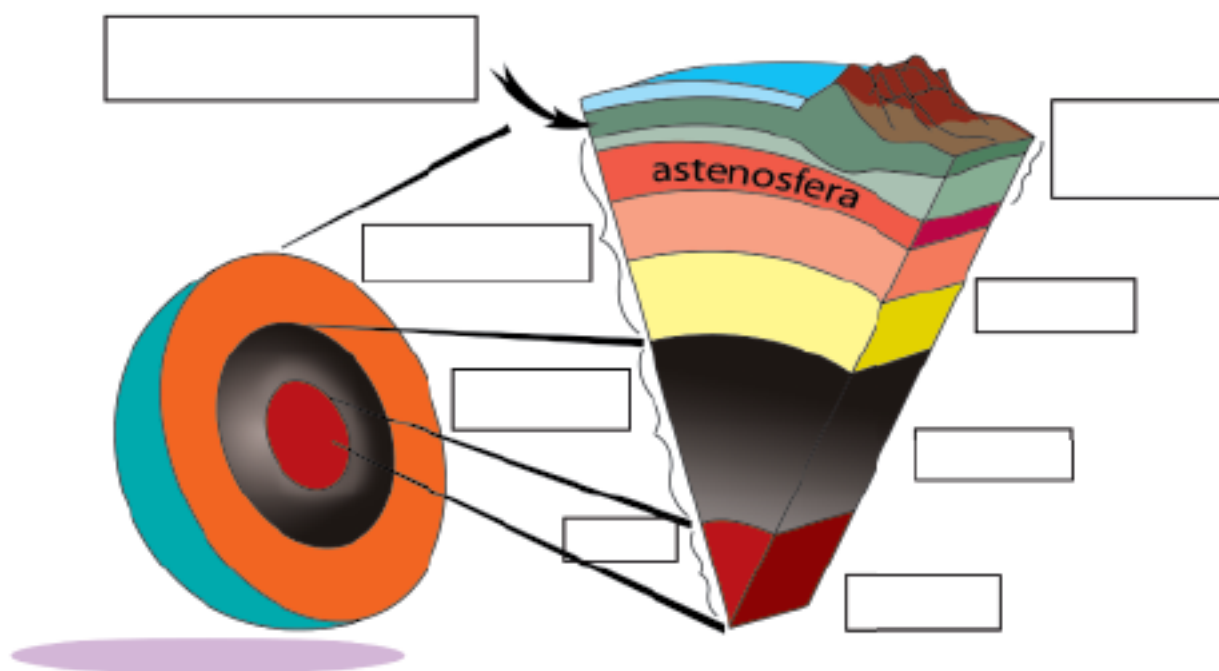
The earth is made up of several layers (from inside to outside): the inner core, the outer core, the lower mantle, the upper mantle and the crust. Crust and upper mantle make up the lithosphere. The outer shell of the Earth is fragmented into several pieces, called tectonic plates.

Write down each layer using the envelope names listed: inner core, outer core, lower mantle, upper mantle and crust.

For each lower limit, give an approximate depth (in kilometers)

Ex: internal core: ~ 6300 km

Can you also calculate the thickness of a layer? Give us an example!



Did you know that ...?

- It is assumed that temperatures in the center of the Earth reach 7,300 ° C, much higher than those reached at the surface of the Sun (5,600 ° C).
- The deepest "hole" ever excavated by humans in the Earth reaches about 12,000 m. It is the KSDB-3 wellbore of Kola Peninsula, Russia.
- The core of the Earth has a larger volume than that of Mercury.
- The oldest rocks found on Earth are about 3,900 million years old. Their age is surpassed only by crystals identified in a rock in Australia (4,200 million years).