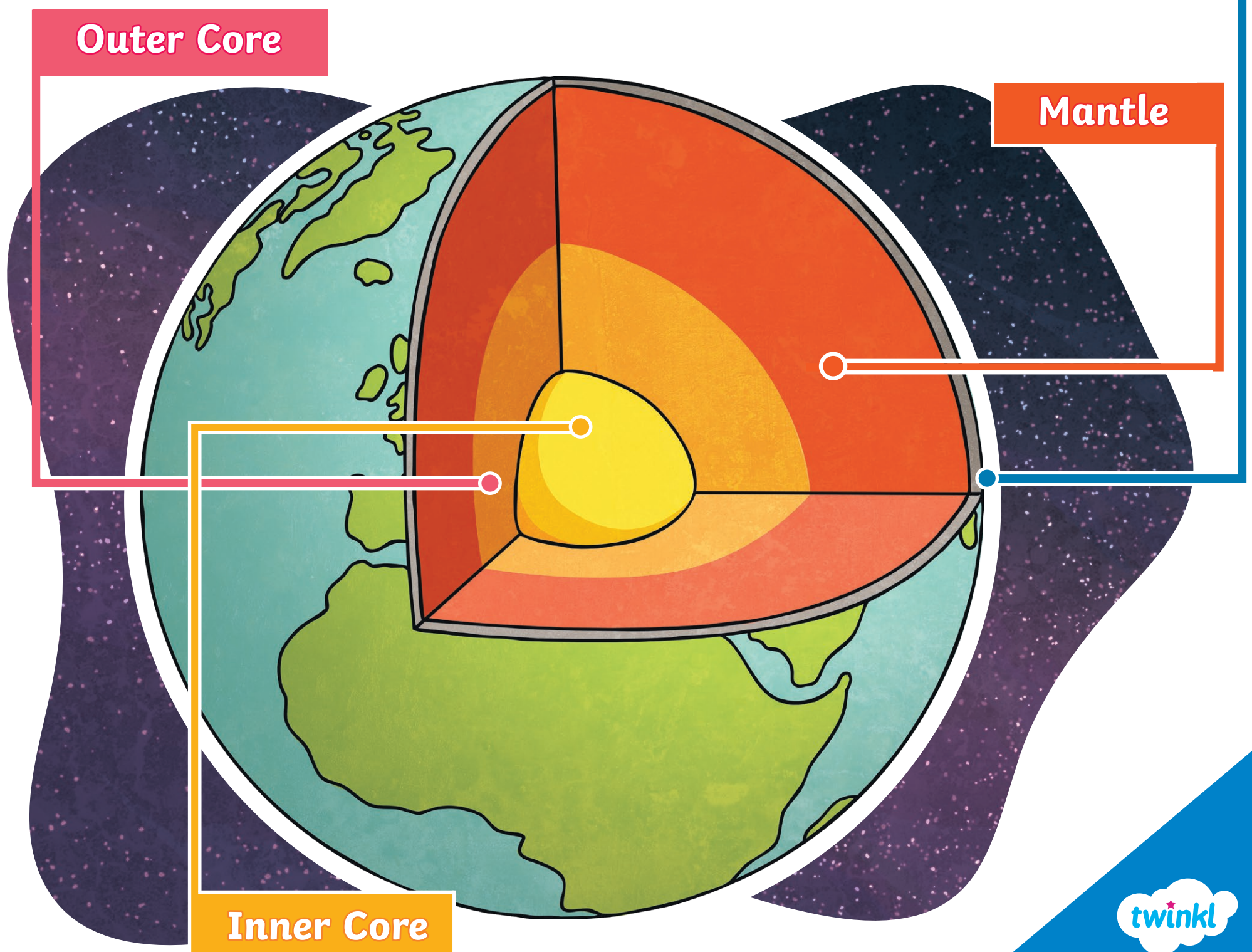


Layers of the Earth

Crust

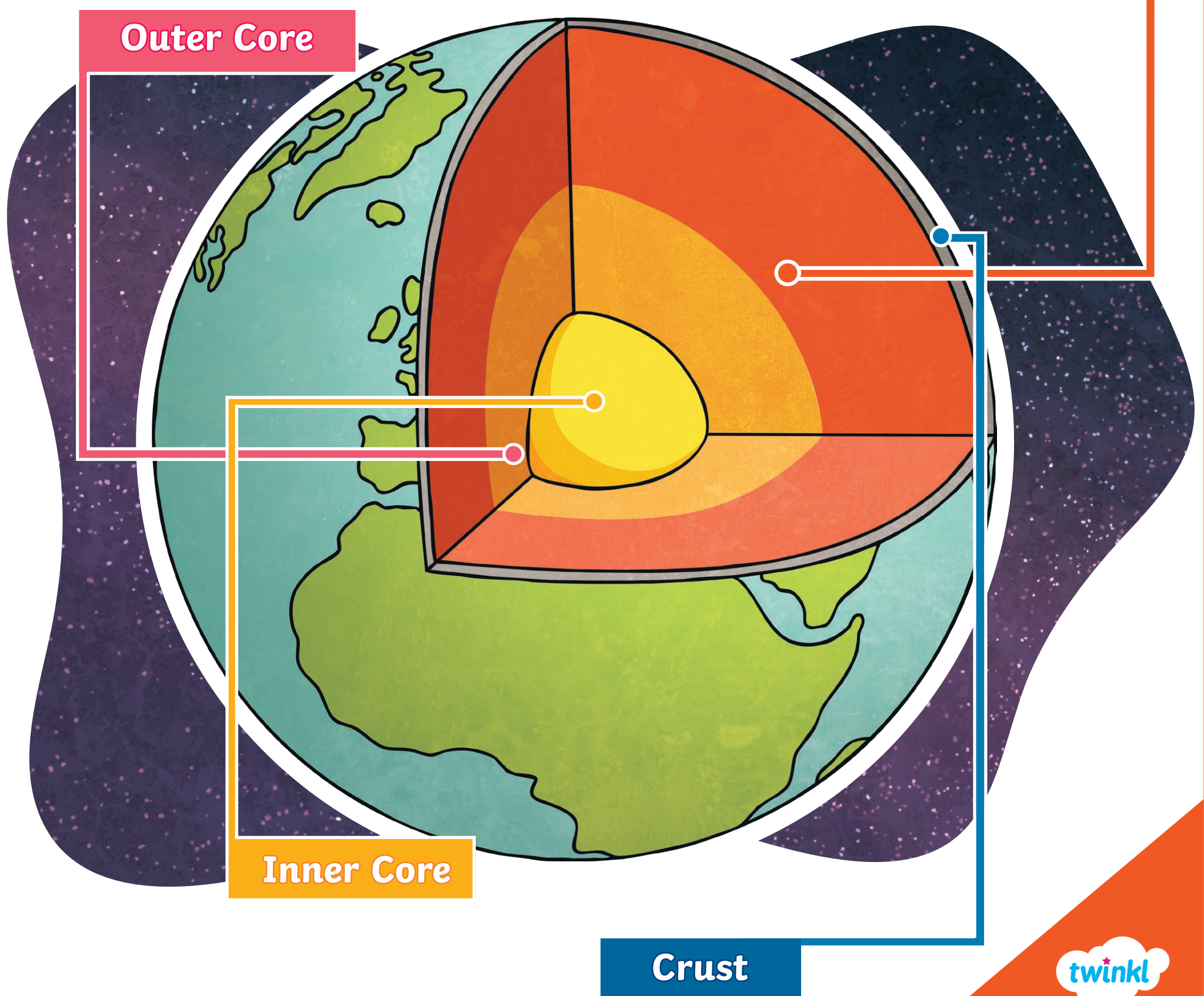
- The crust is the thinnest of the Earth's layers.
- It is made of solid, cool rock and is a bit like a hard shell all around our planet.
- The crust is made of separate pieces called tectonic plates which float on the layer below.



Layers of the Earth

Mantle

- Many scientists believe the mantle layer is made up of a churning mass of magma, molten rock and solid igneous rock.
- As you go deeper into the mantle layer, the pressure and temperature increases and the layer becomes more solid.



Layers of the Earth

Outer Core

- The core of our planet is made up of heavy metals including nickel and iron.
- The outer layer is believed to be a liquid with an approximate temperature of over 5000°C (9032°F).
- The liquid metal is very thin and churns continuously, with hotter metal rising up and cooler, denser metal sinking down.
- This process creates the Earth's magnetic field!

Mantle

Inner Core

Crust

Layers of the Earth

Inner Core

- The inner core has approximately the same temperature as the surface of the sun: about 5400°C (9800°F).
- The metal here appears to be solid but it is actually a liquid under such immense pressure that the molecules cannot move around.

