

Plate Tectonics

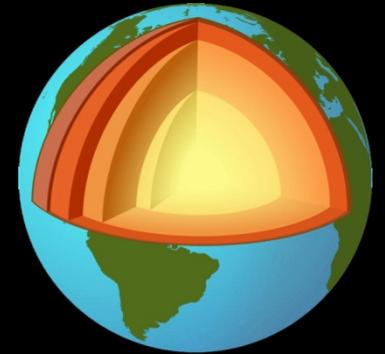


Topics Covered:

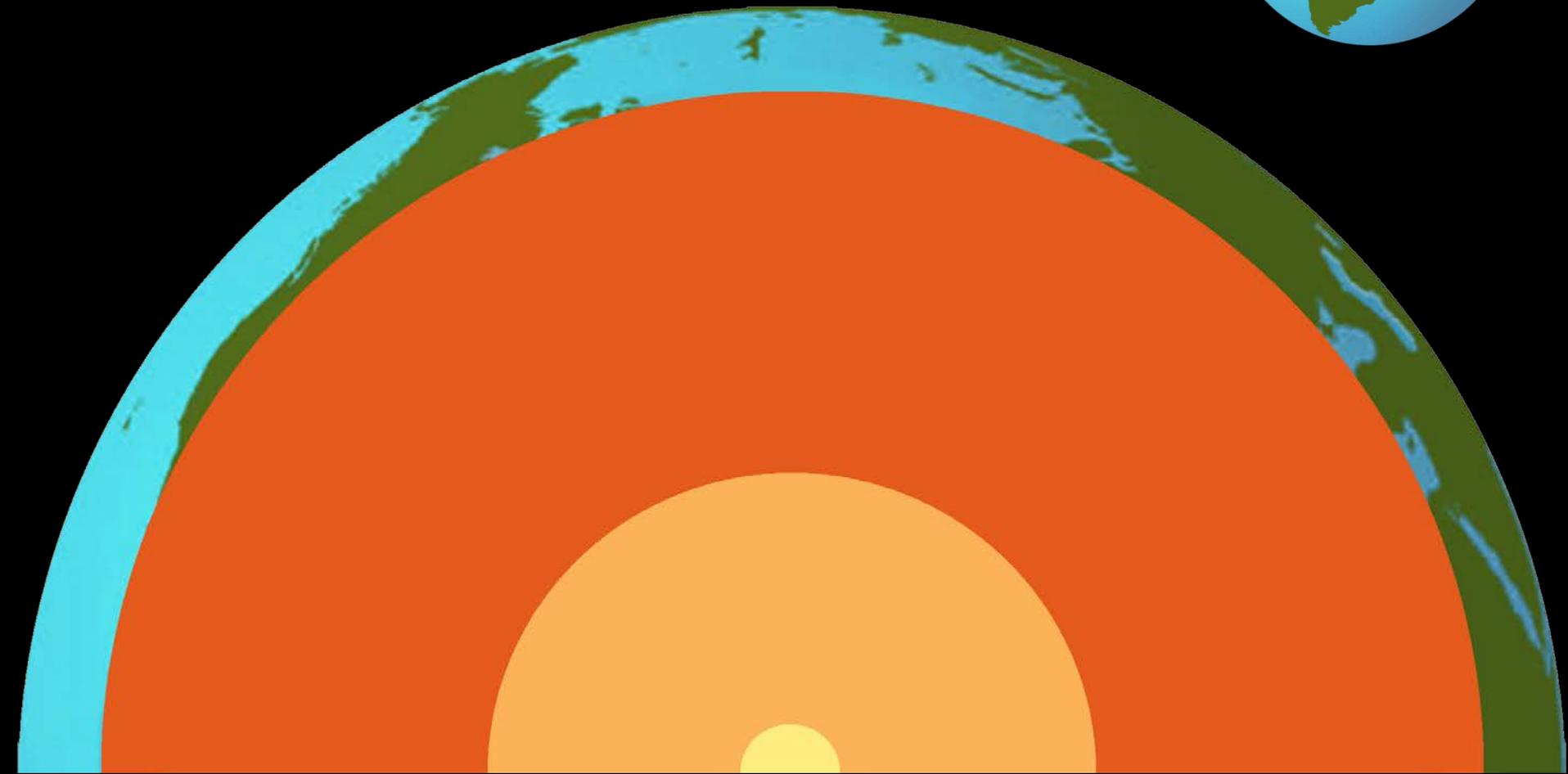
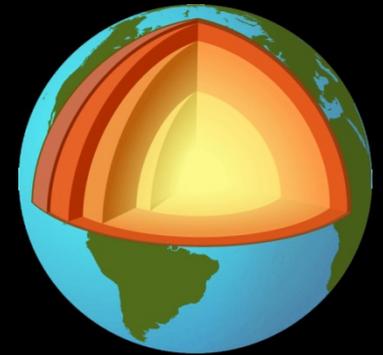
- Parts of the earth
- Heat transfer and crustal plates
 - Tectonic plates
- Divergent, Convergent, & Transform Boundaries
 - Hot spots



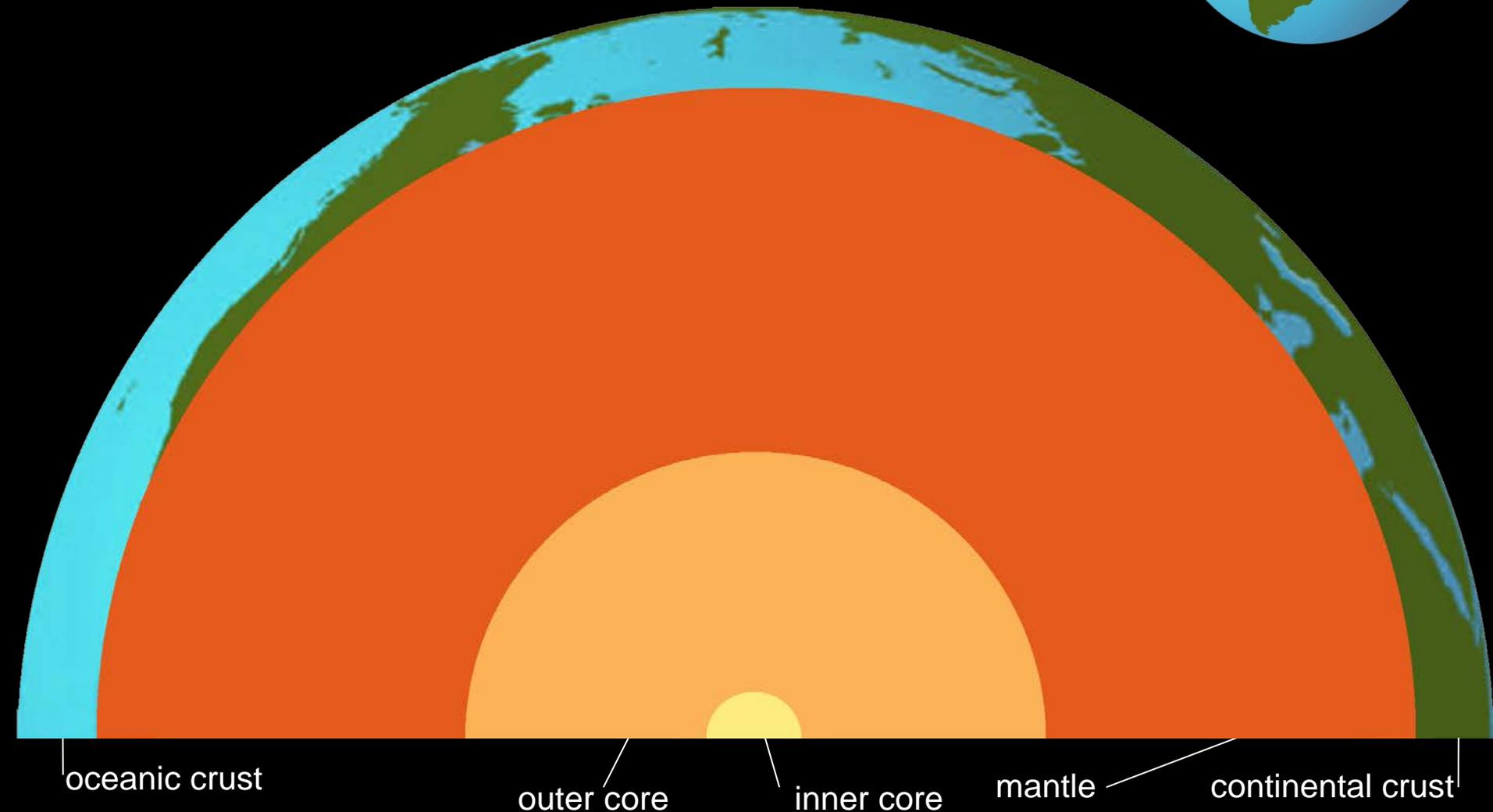
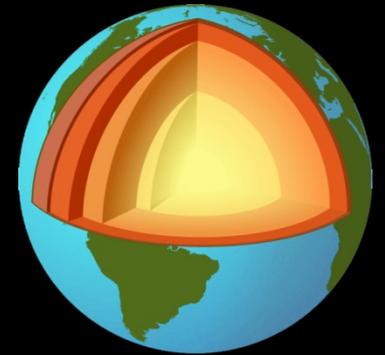
Let's Look Inside the Earth



Parts of the Earth



Parts of the Earth



oceanic crust

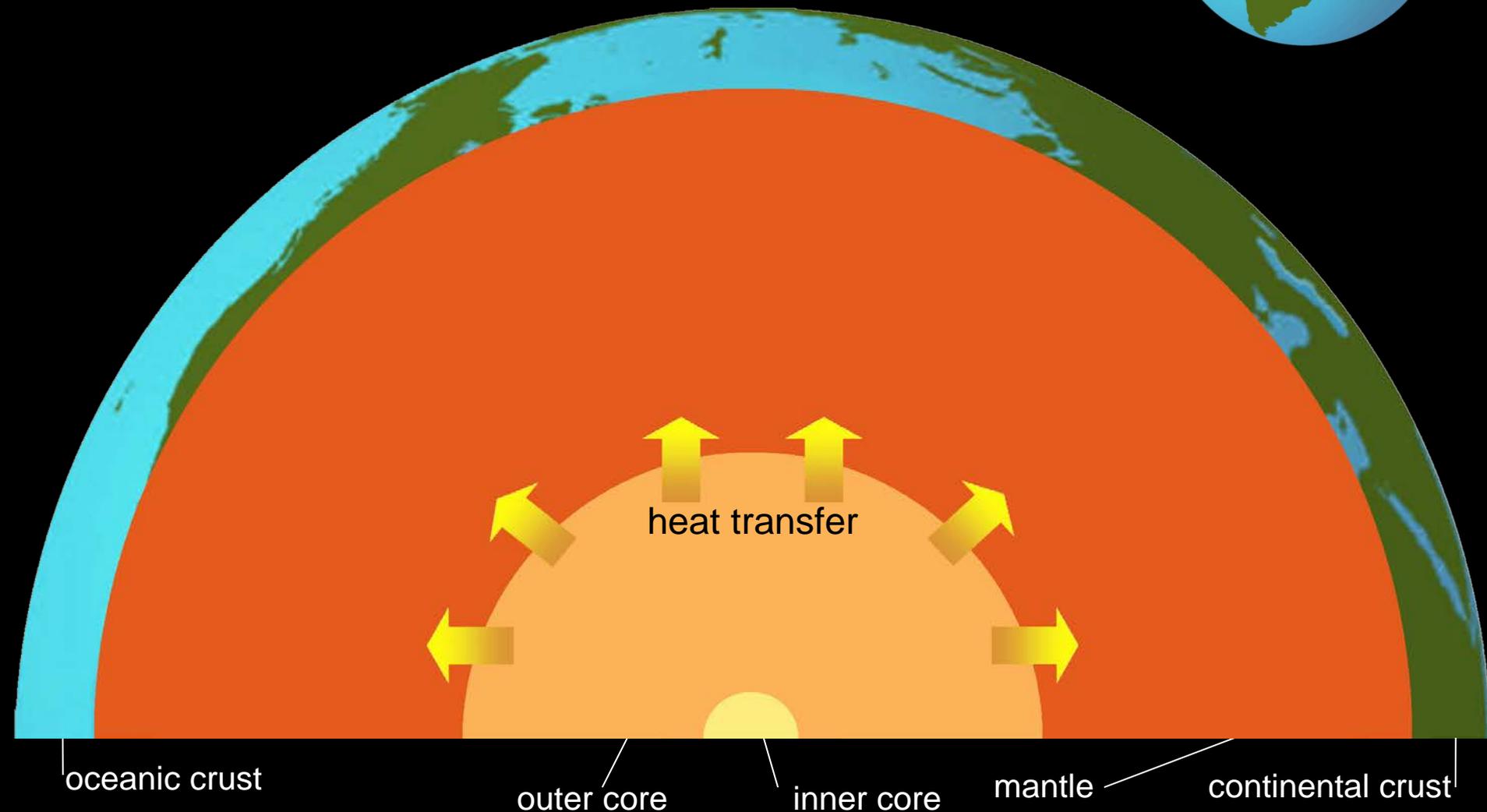
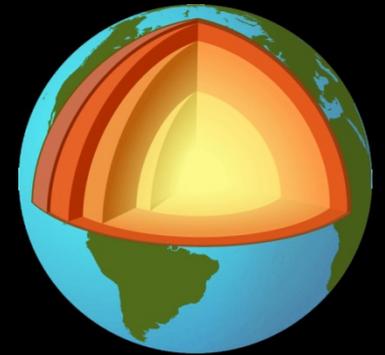
outer core

inner core

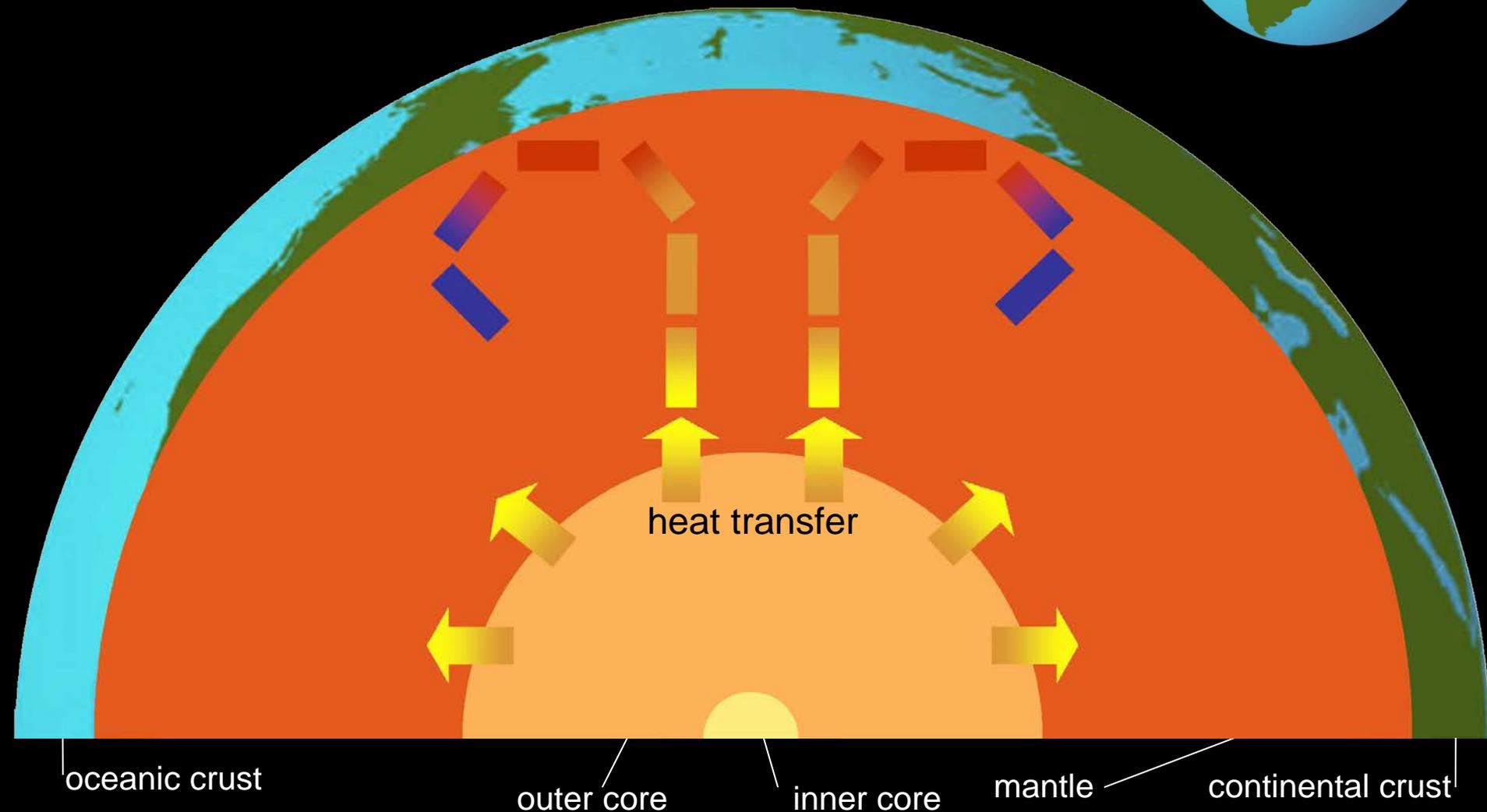
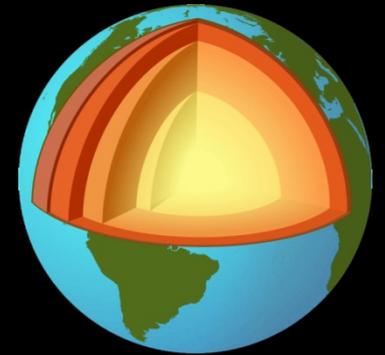
mantle

continental crust

Heat Transfers from Core to Mantle



Heat Transfers from Core to Mantle



oceanic crust

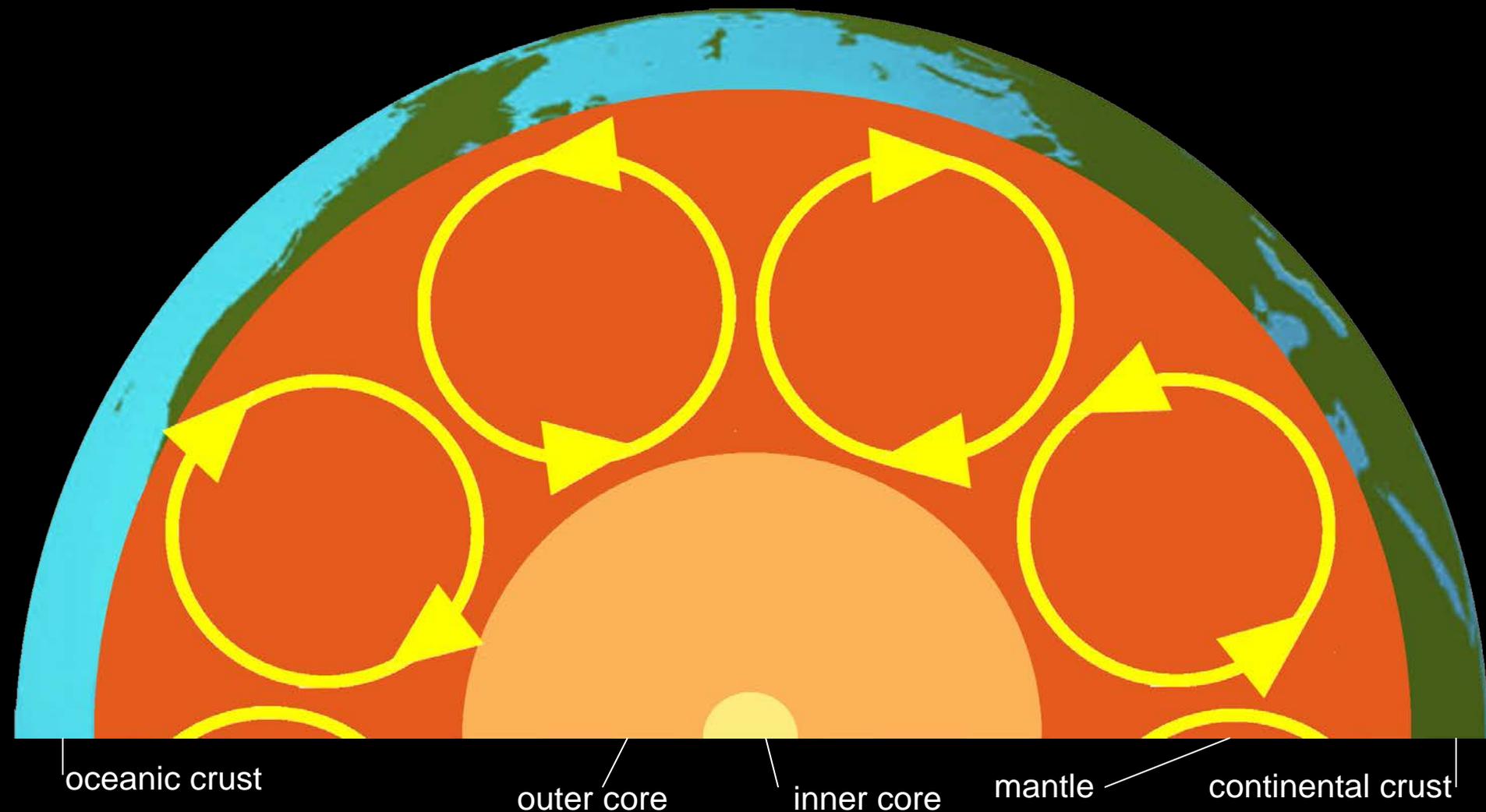
outer core

inner core

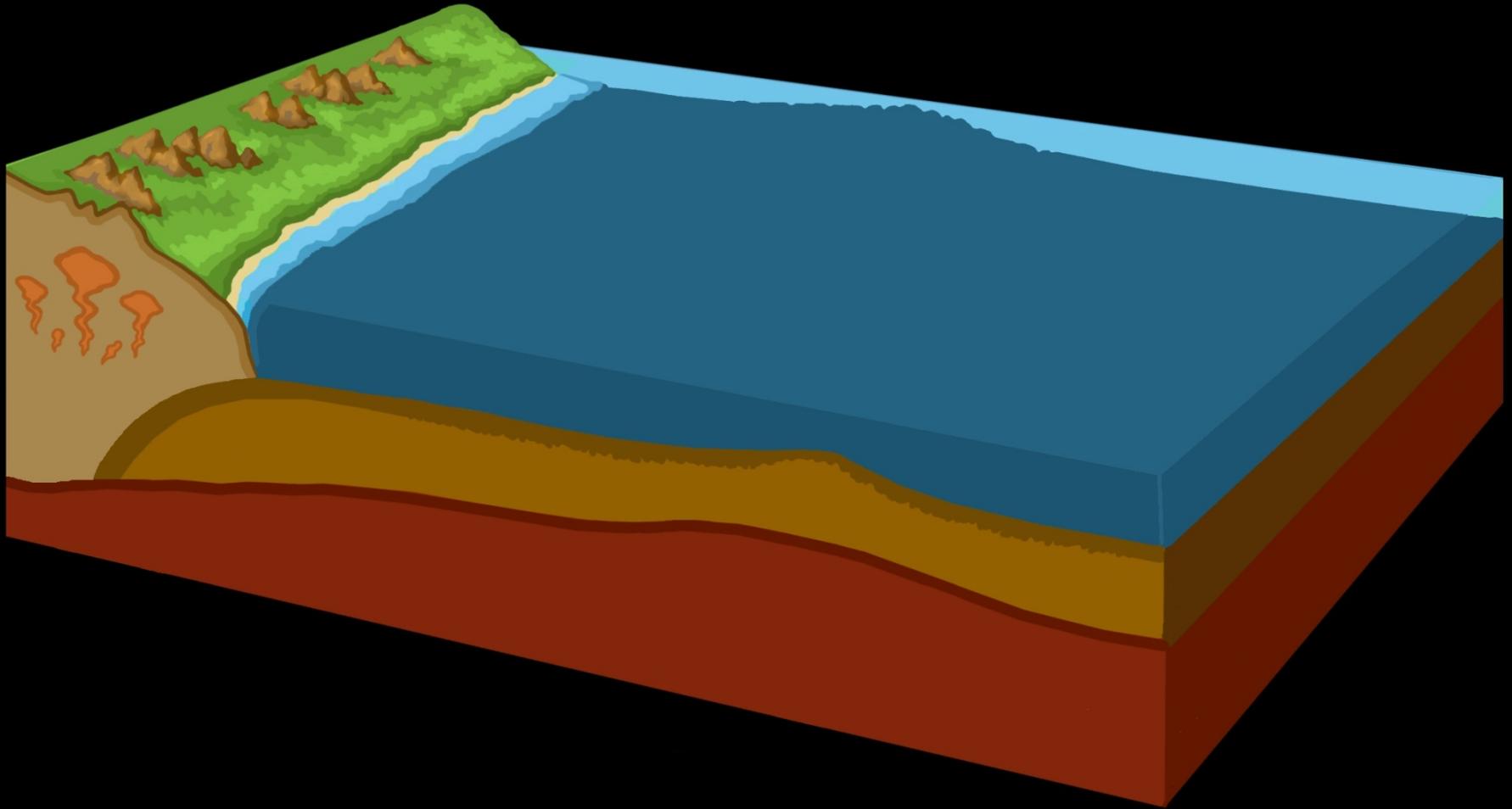
mantle

continental crust

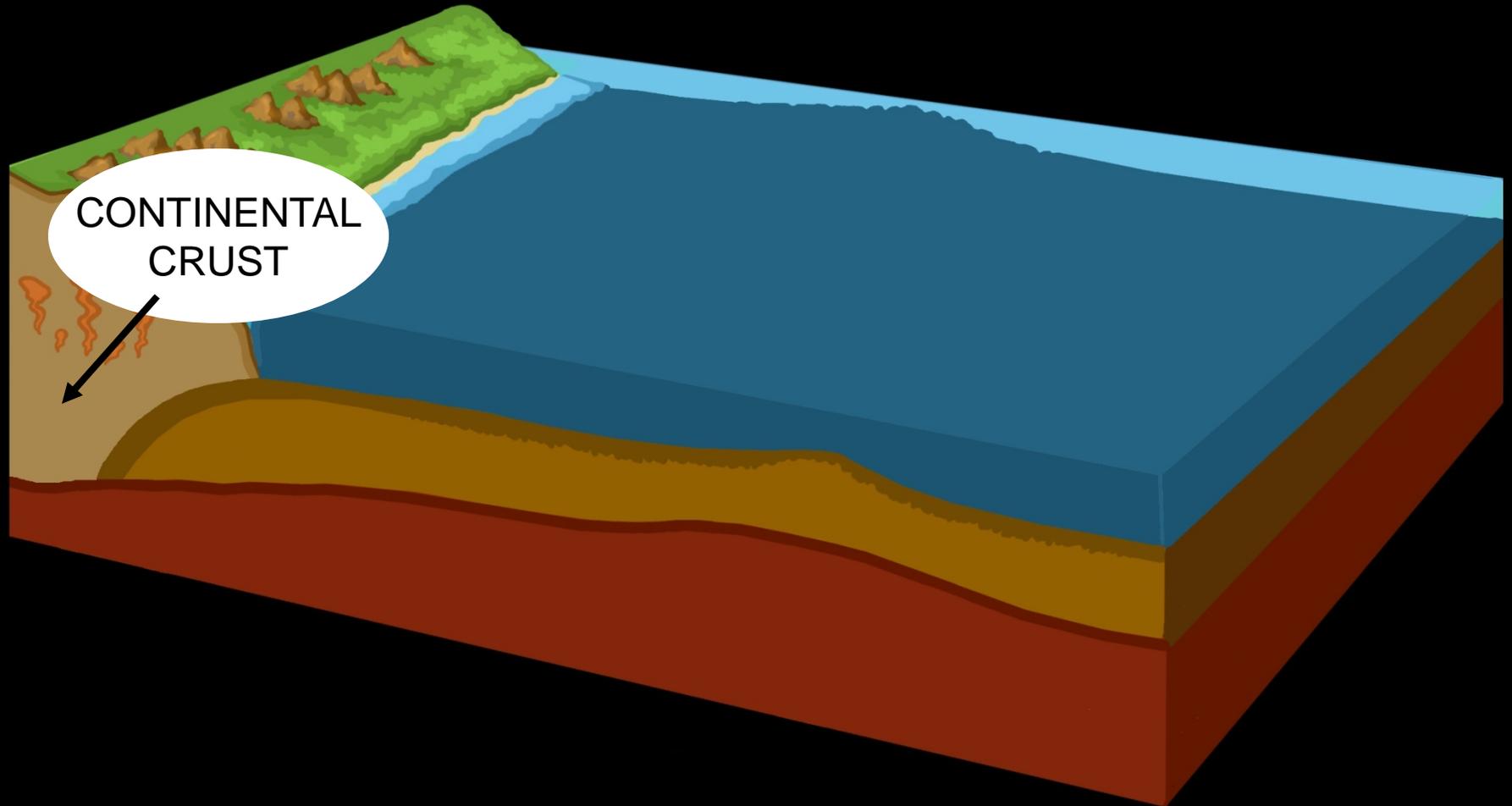
Crustal Plates Move



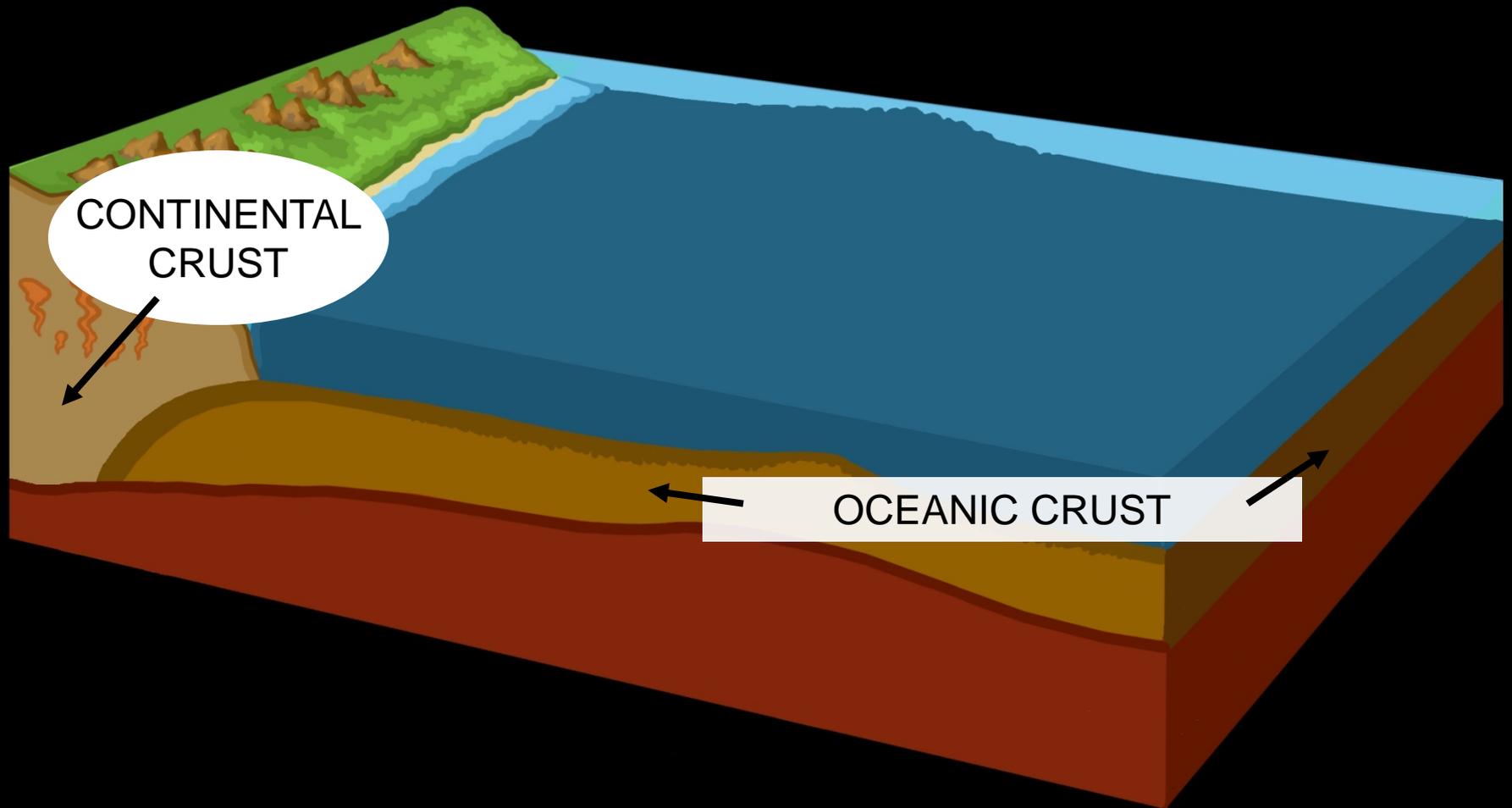
Continental & Oceanic Crust



Continental & Oceanic Crust



Continental & Oceanic Crust



Tectonic Plates

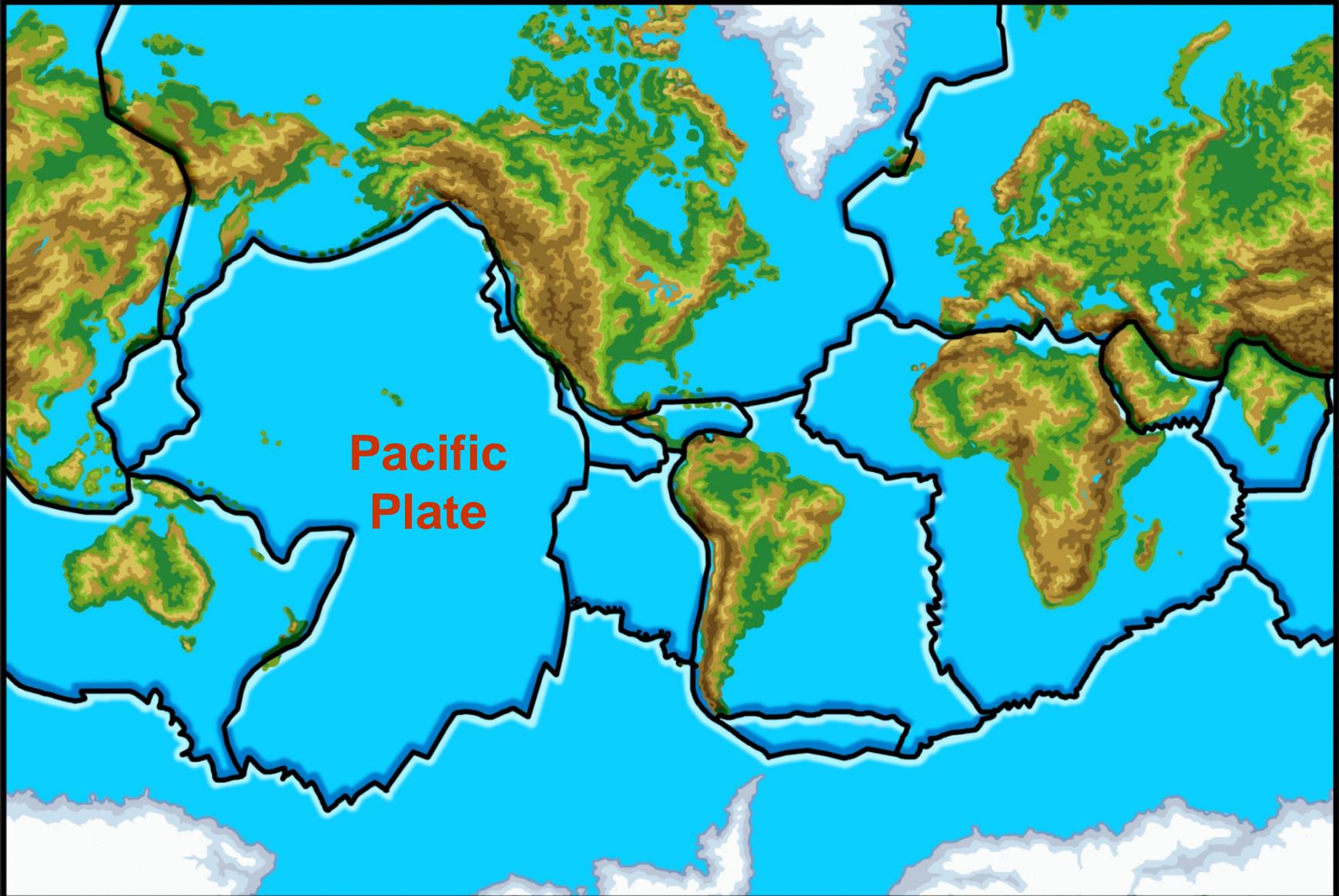


Tectonic Plates



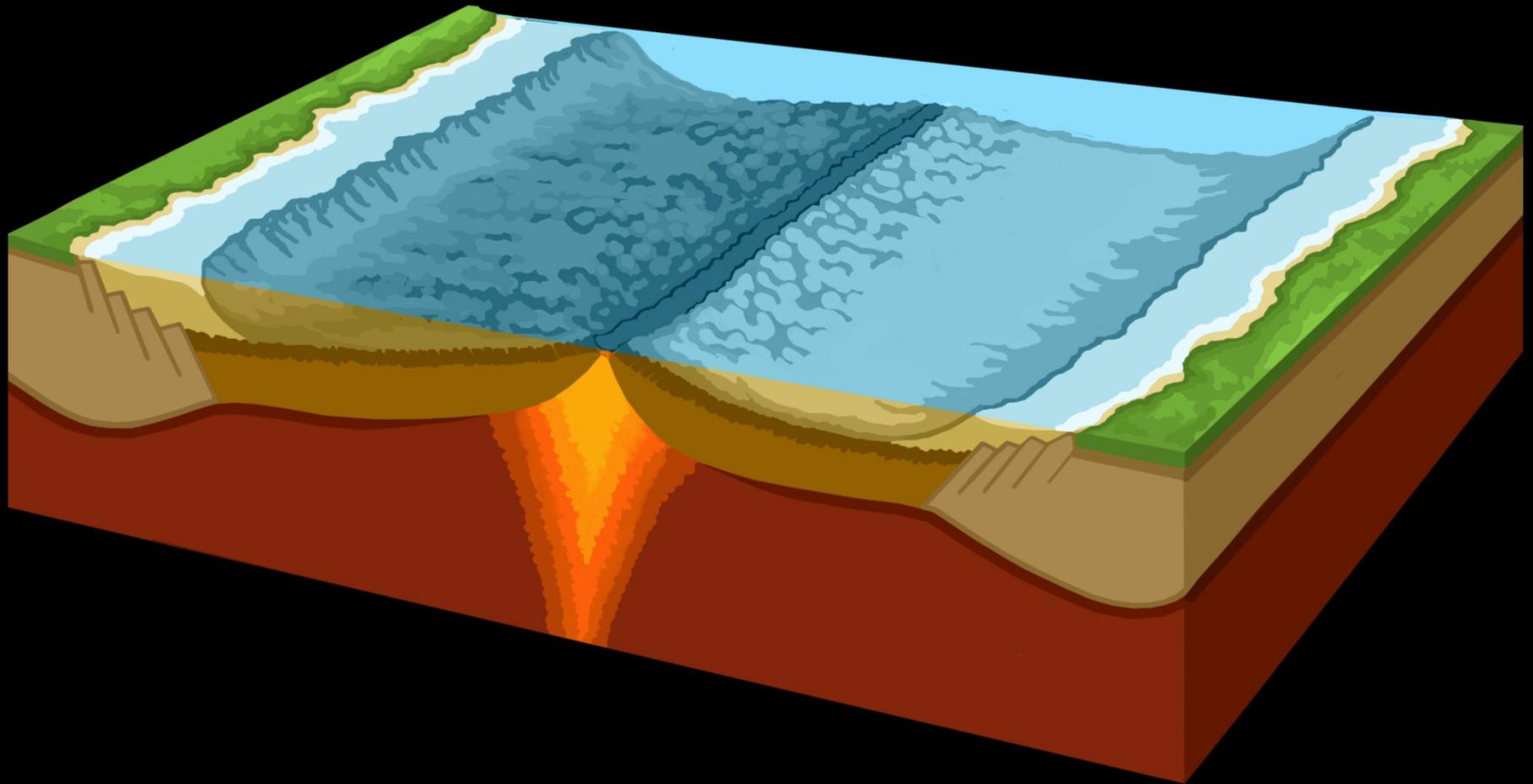
Can you name the plate on which Hawai'i is located?

Tectonic Plates

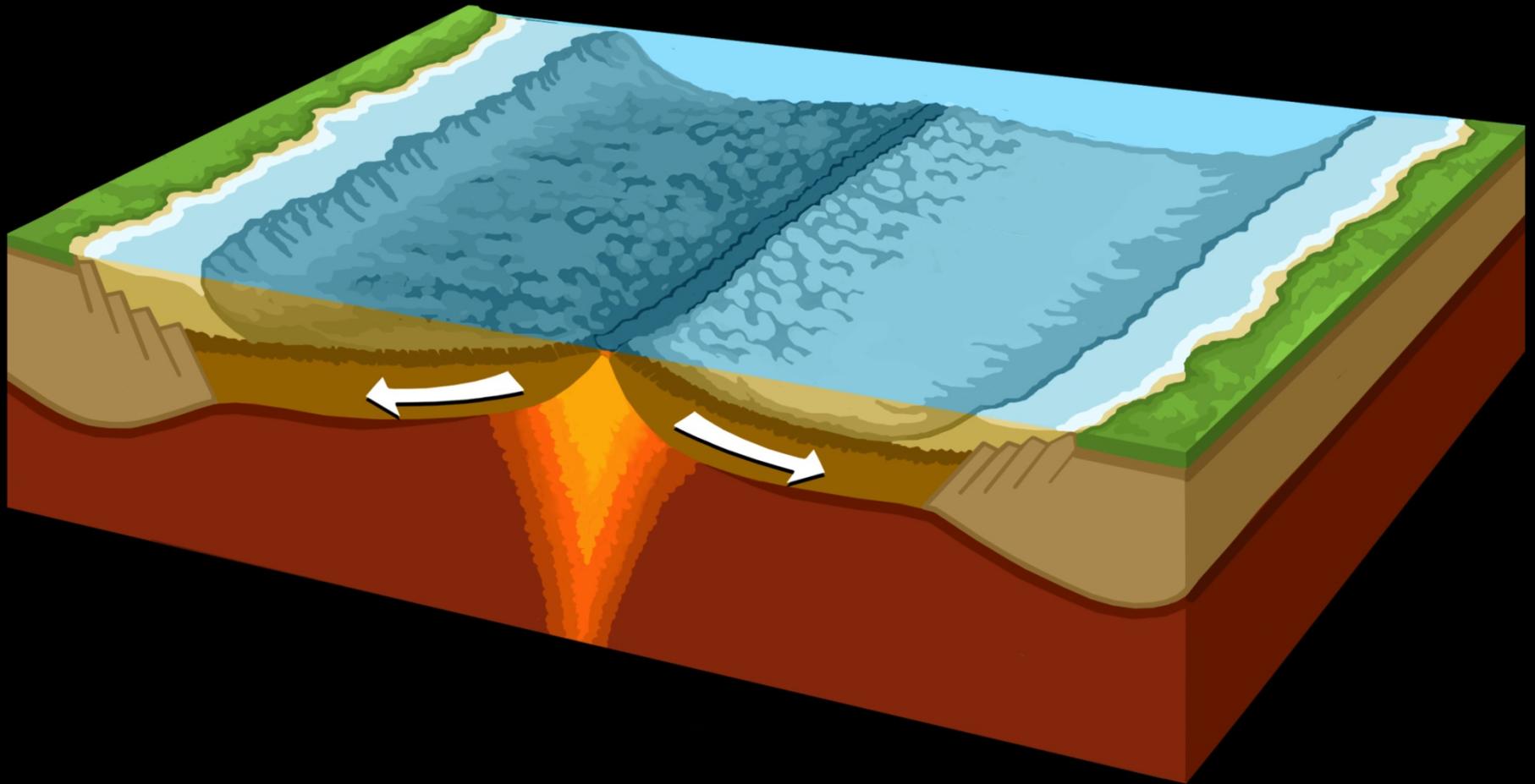


Can you name the plate on which Hawai'i is located?

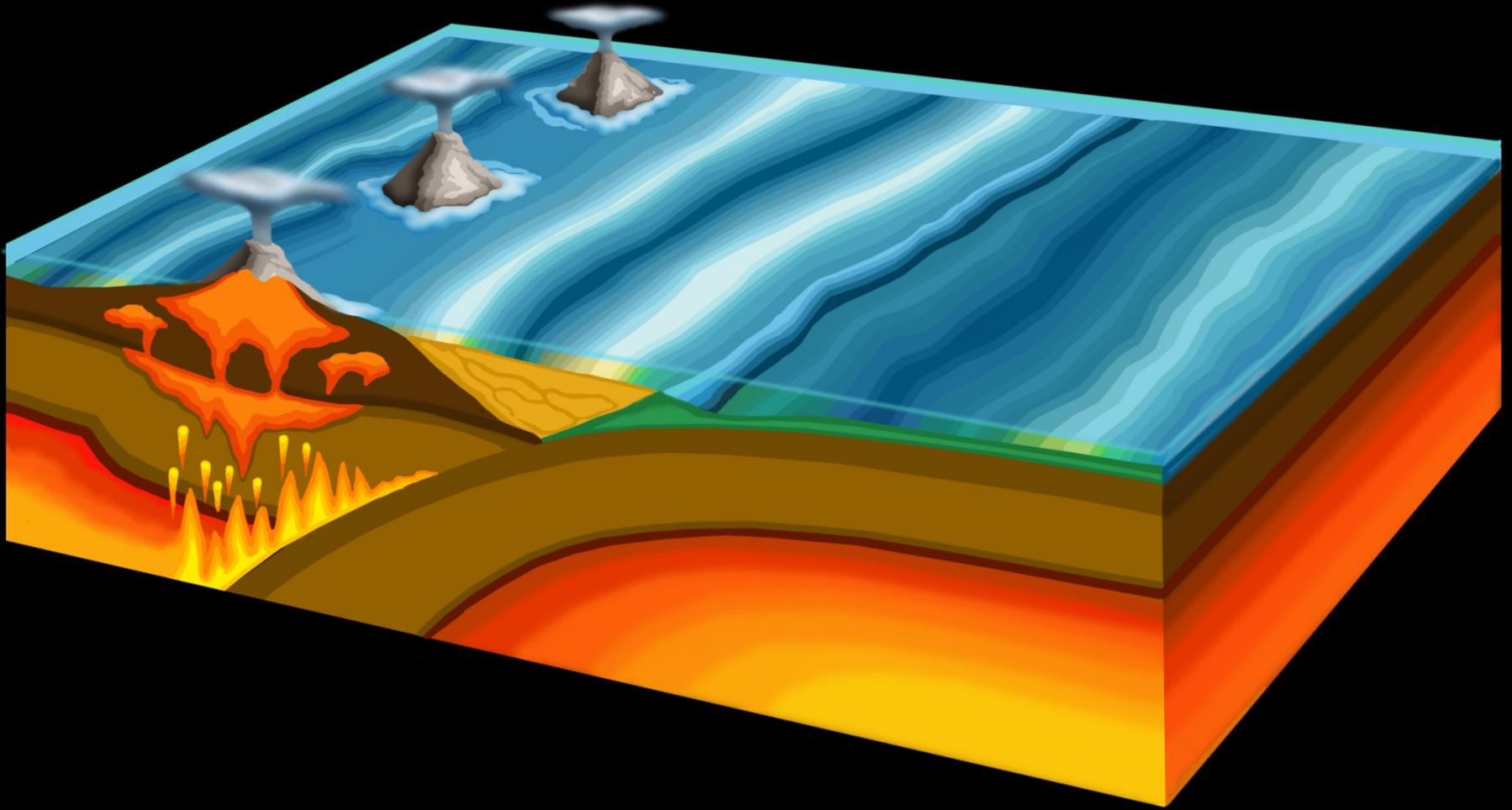
Divergent Plate Boundary



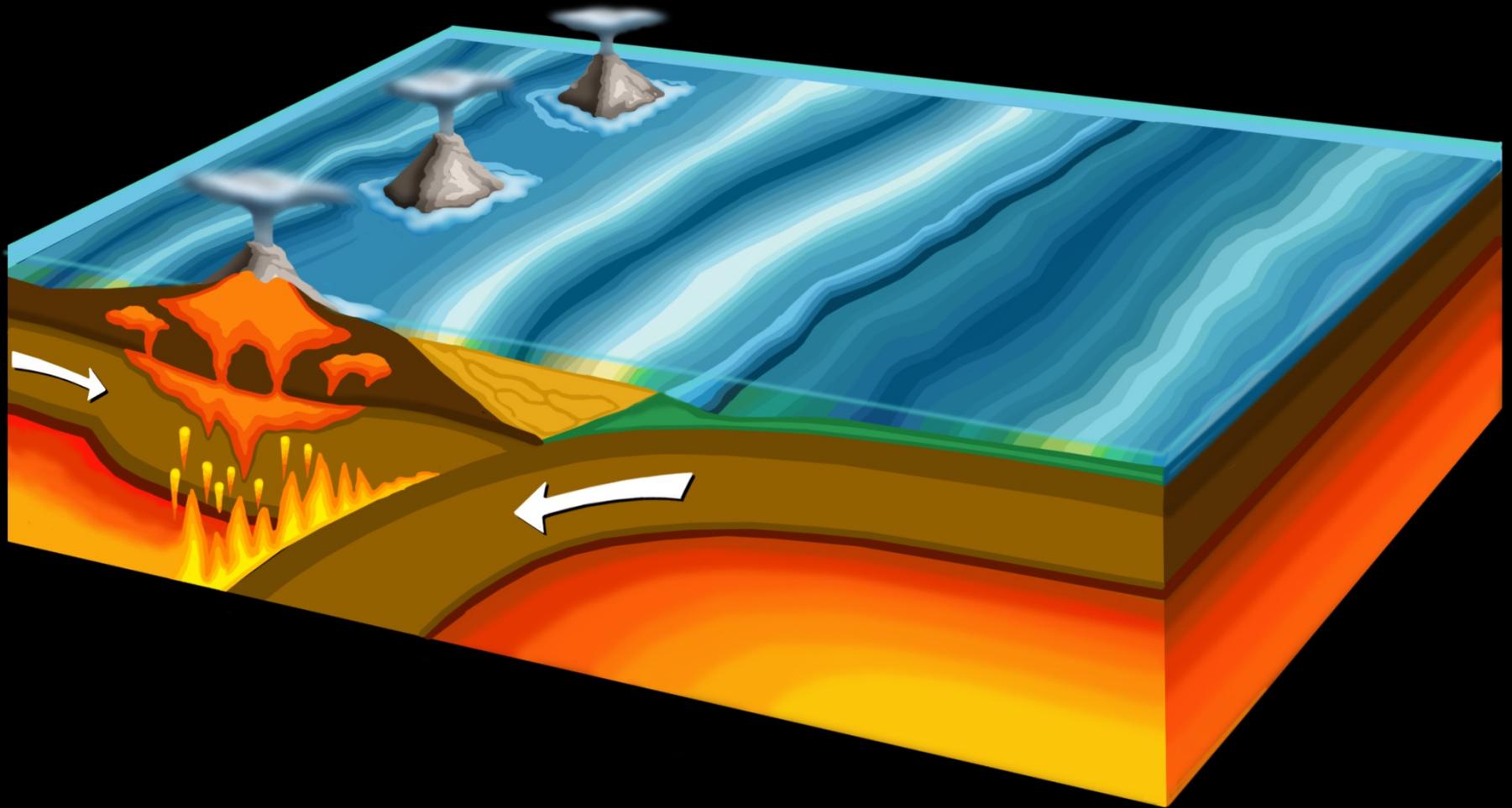
Divergent Plate Boundary



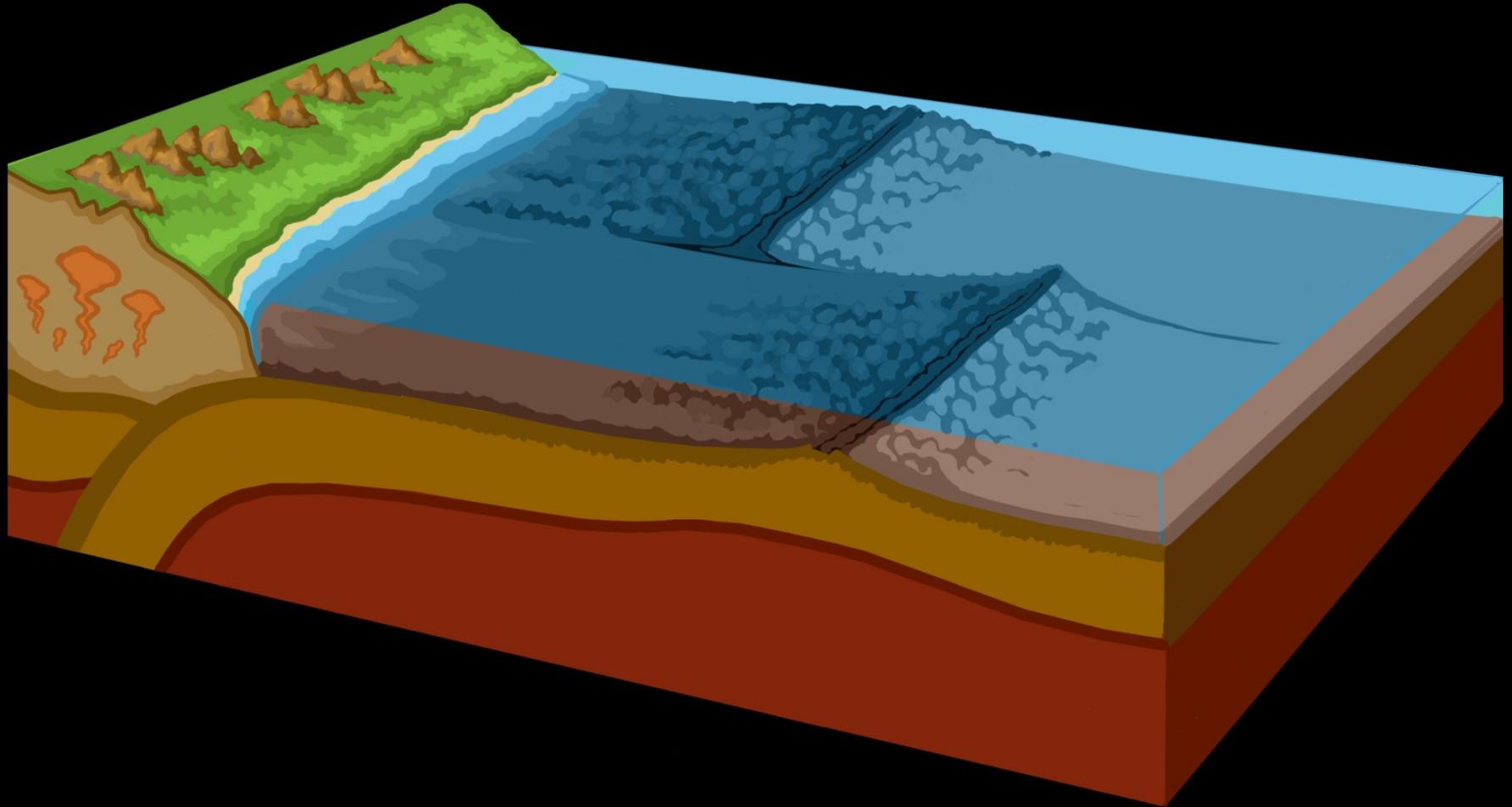
Convergent Plate Boundary



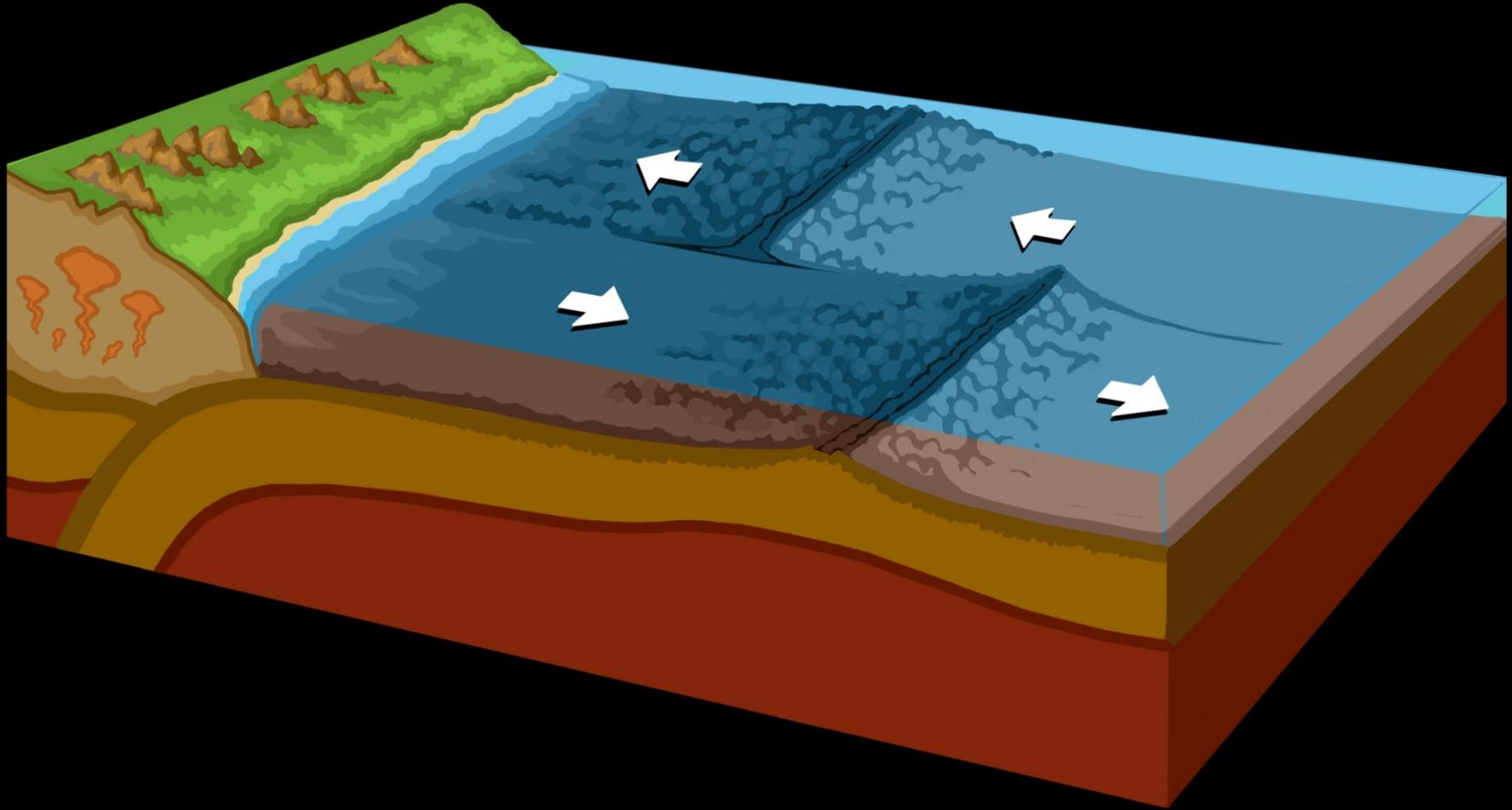
Convergent Plate Boundary



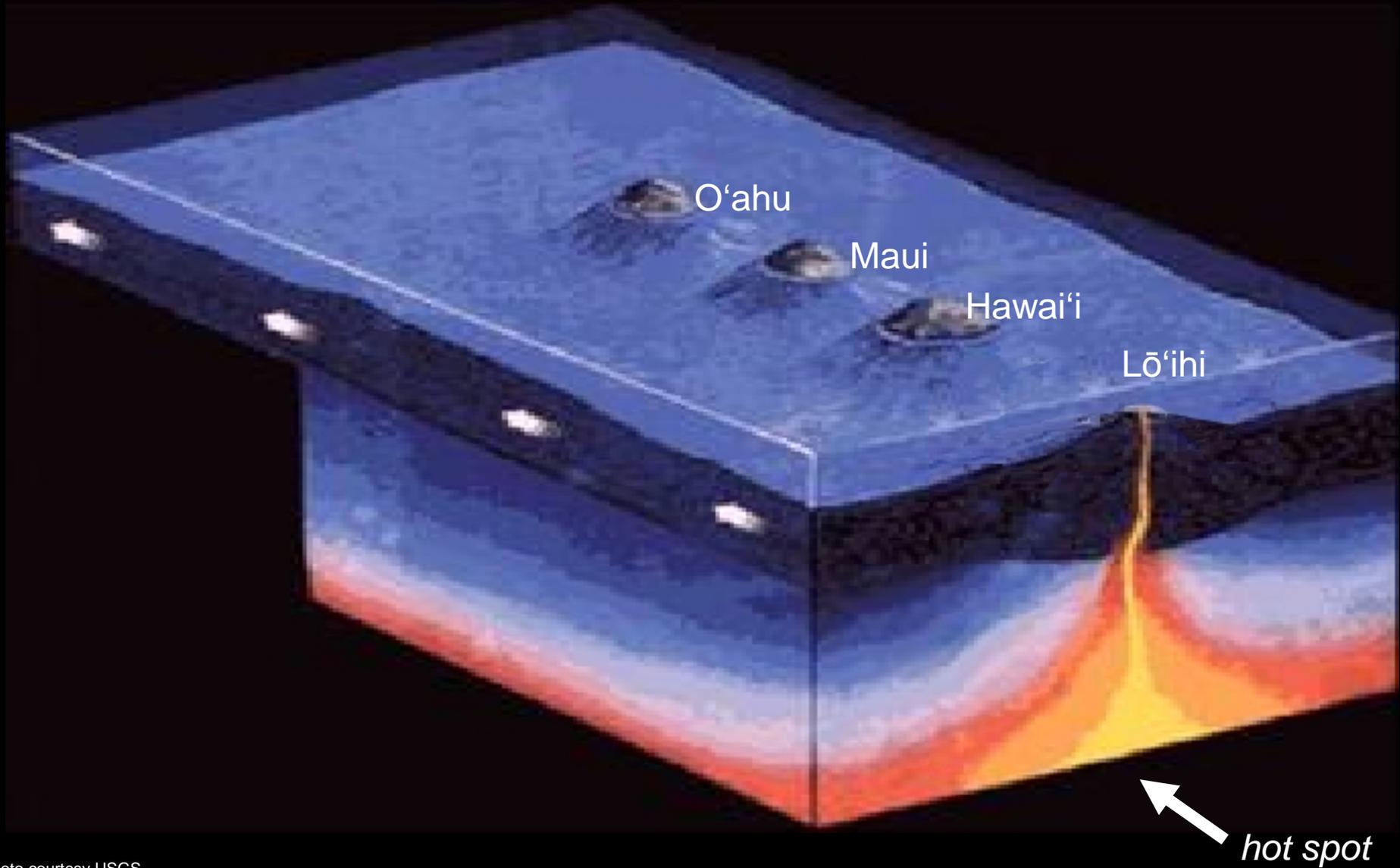
Transform Plate Boundary



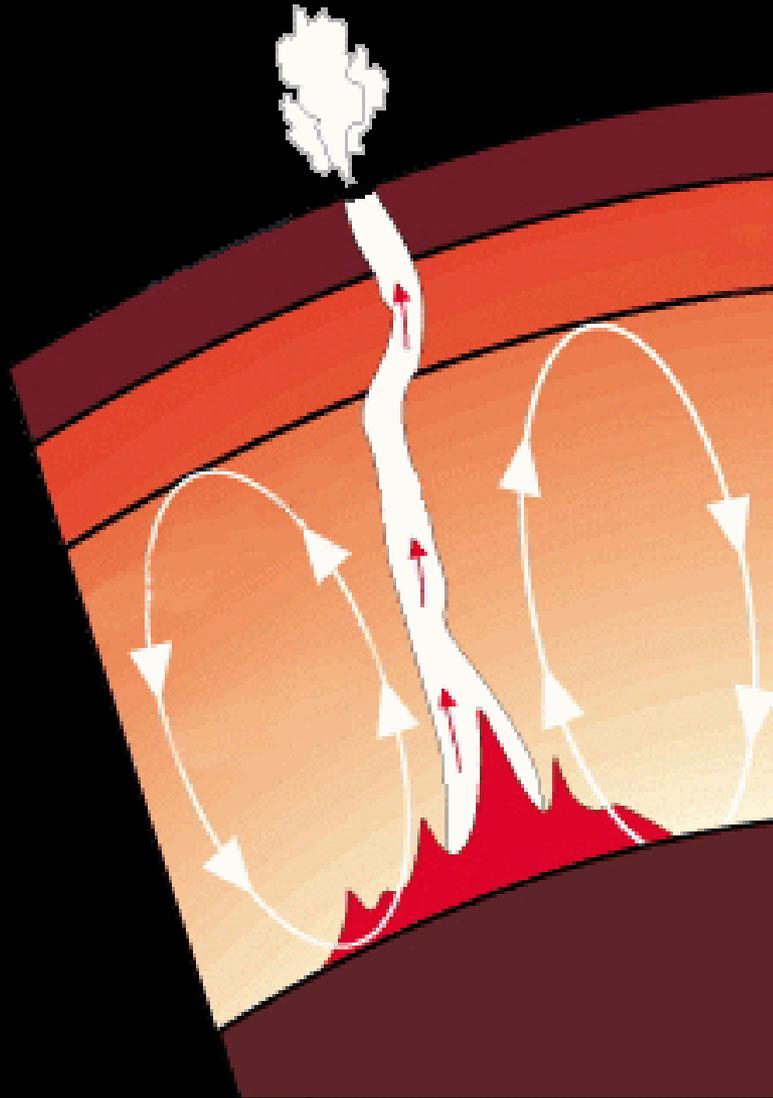
Transform Plate Boundary



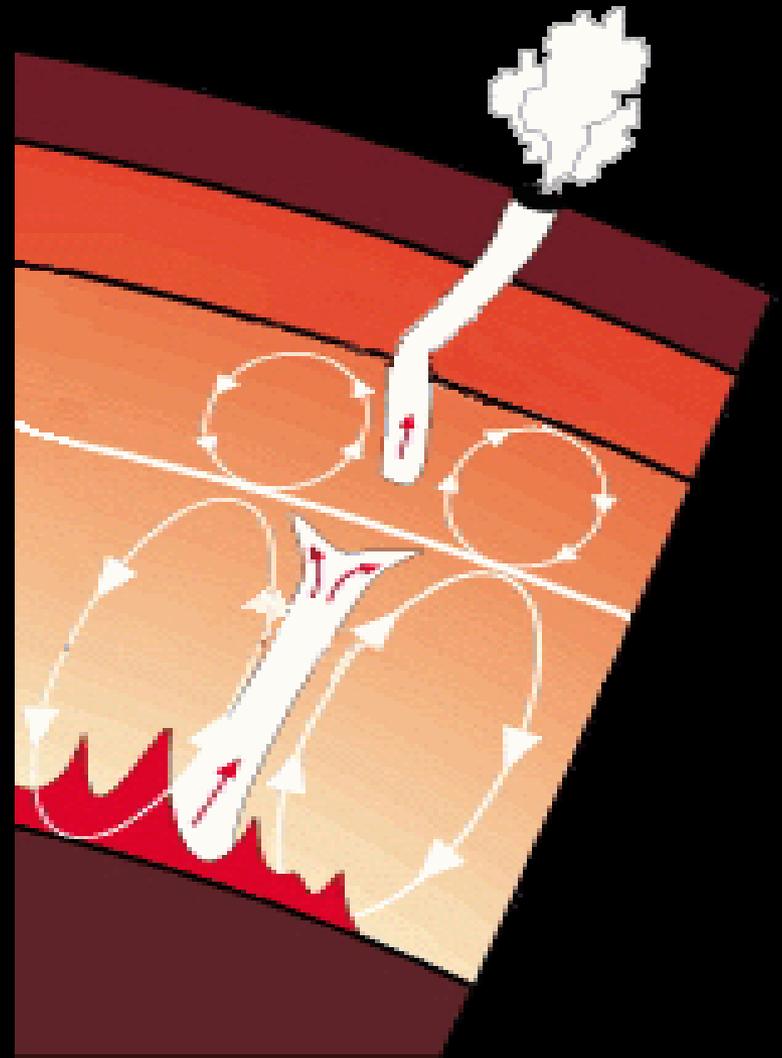
Hot Spots



Two Hot Spot Theories



magma from the earth's core



magma from a shallower depth



The End