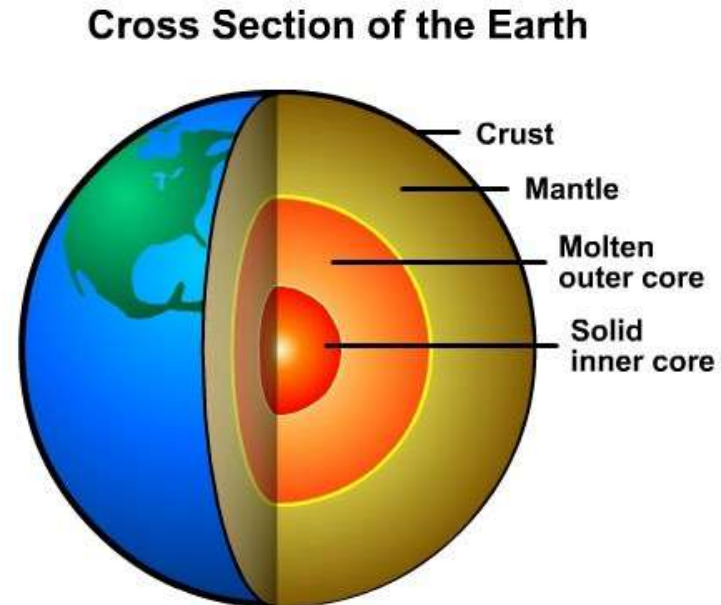


# Chapter 2: Physical Geography - A Living Planet



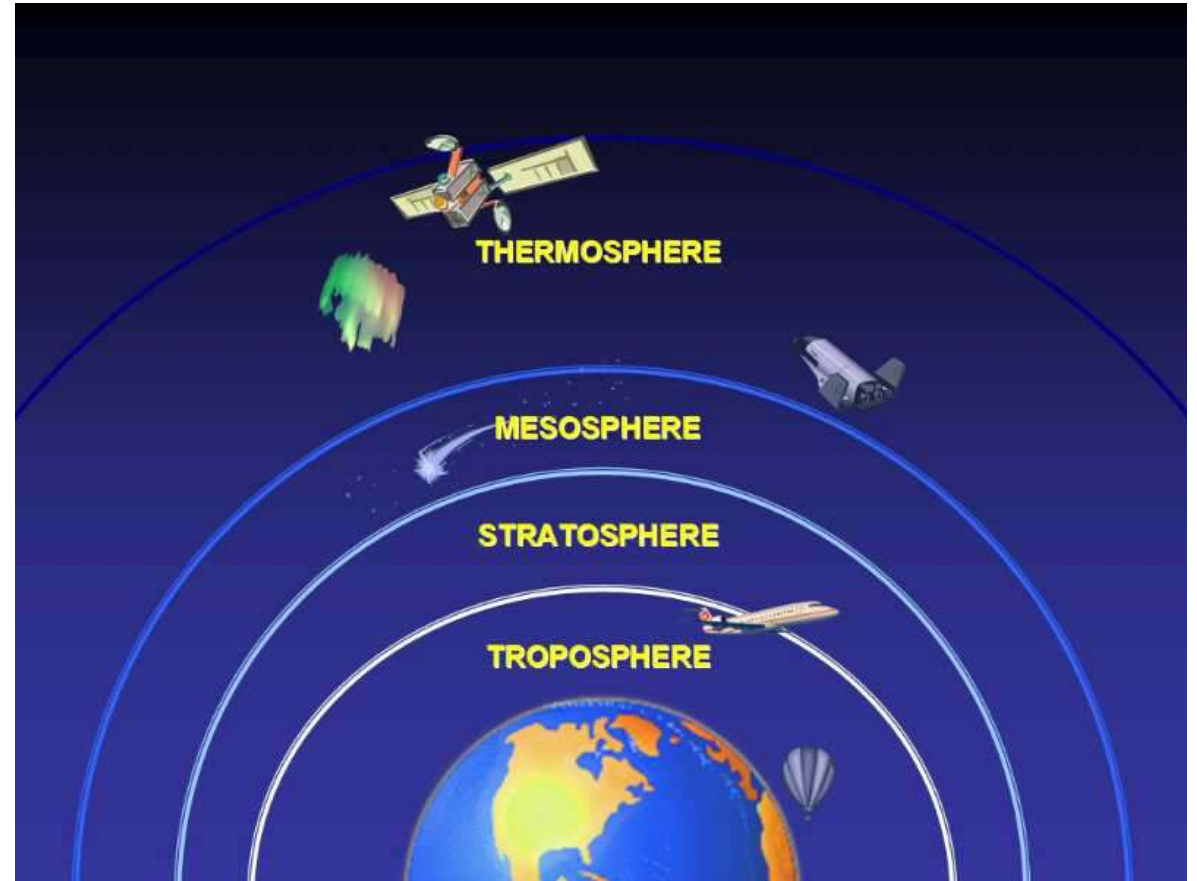
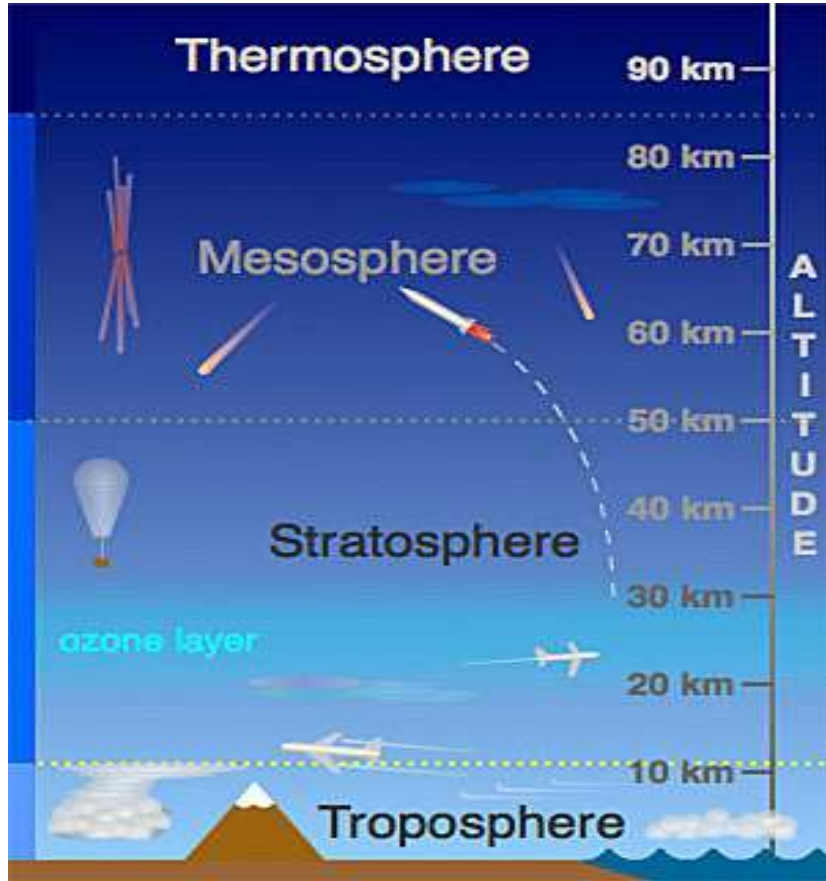
# The Structure of the Earth

- The core is the center of the earth and is made of iron and nickel. The outer core is liquid, but the inner core is solid.
- Surrounding the core is the mantle, which has several layers. Contains most of earth's mass.
- Magma, which is molten rock, can form in the mantle and rise through the crust, the thin layer of rock at the earth's surface.

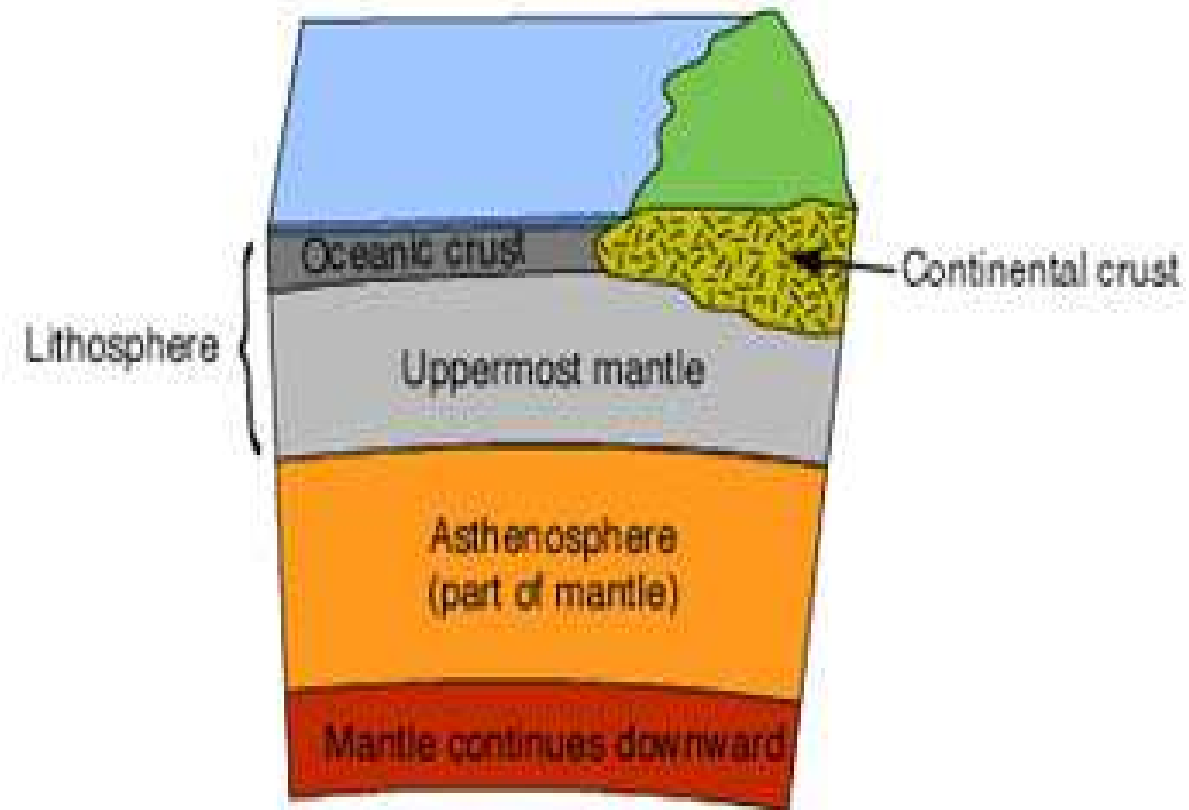


# On and Above the Earth

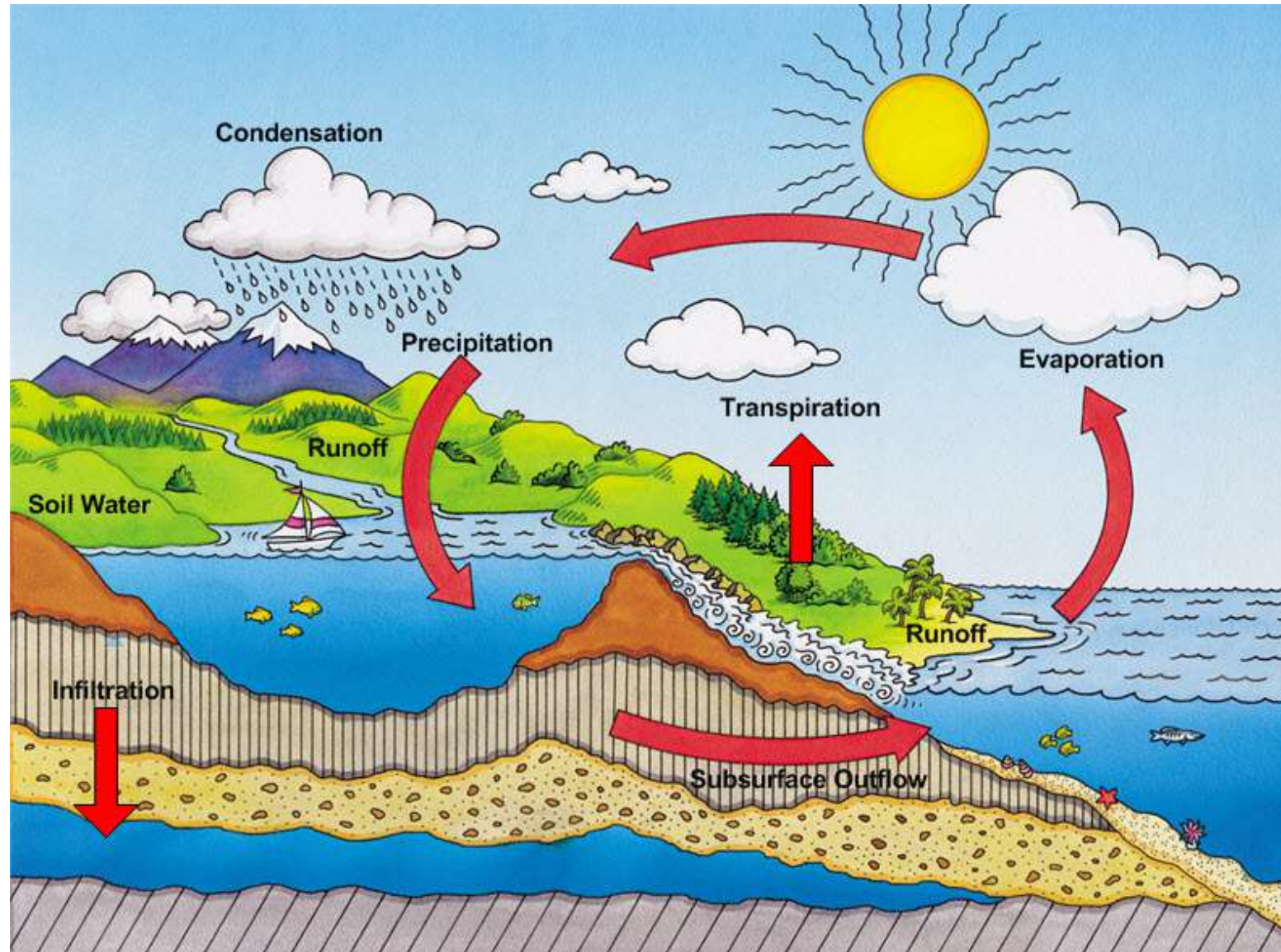
- Atmosphere: a layer of gases surrounding the earth.



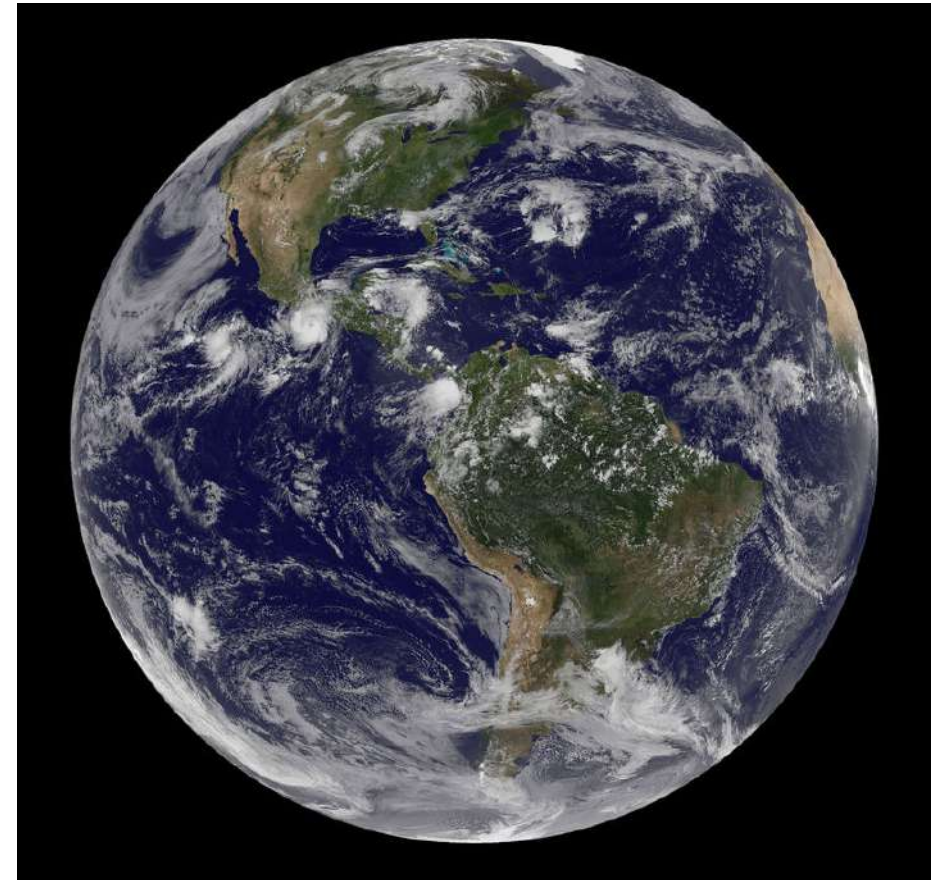
- Lithosphere (geosphere): the solid rock portion of the earth's surface



- Hydrosphere: the water elements of the world, which includes oceans, seas, rivers, lakes, and water in the atmosphere.



- **Biosphere:** the part of the earth where plants and animals live. Made up of the lithosphere, atmosphere and hydrosphere.



# Continental Drift

- Continental drift hypothesis – maintained that the earth was once a supercontinent (Pangea) that divided and slowly drifted apart over millions of years.



225 million years ago



150 million years ago



100 million years ago



Earth today

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<https://www.youtube.com/watch?v=IjiAUvB1vEU>

(Bill Nye – Pangea explained)