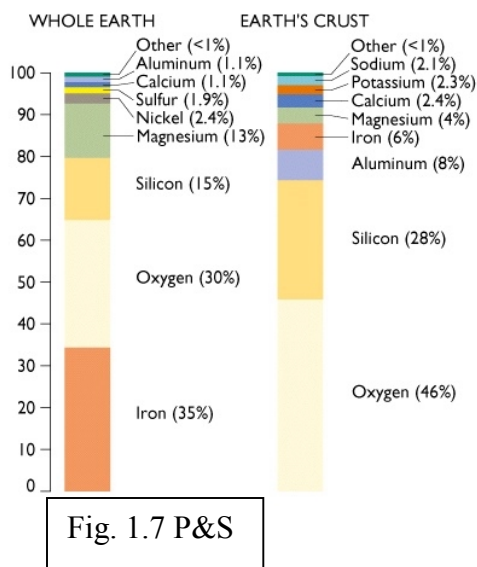
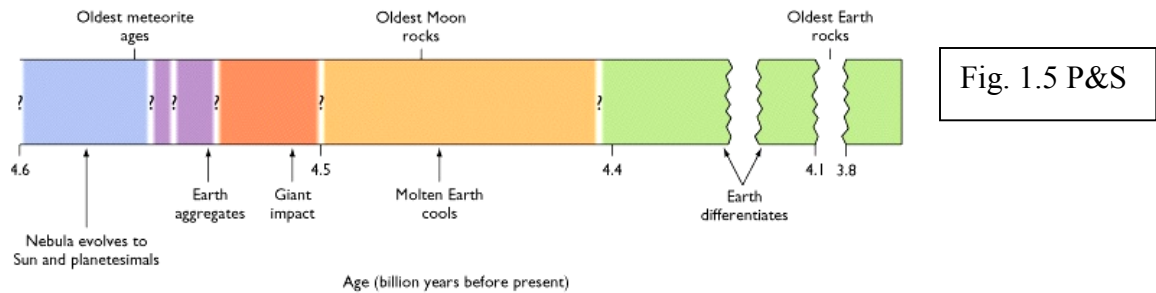


Today's Outline

- Origin of the Earth
- Internal Structure of the Earth
- Plate Tectonics
- The Rock Cycle

Nebular Hypothesis –

- A.
 B.
 C.
 D.



Internal Structure of the Earth –

Compositional layers

Crust

Mantle

Core

Mechanical Layers –

The strength of Earth's materials is a function of

- 1.
- 2.
- 3.
- 4.

Lithosphere -

Asthenosphere -

Moho – Mohorovic Discontinuity

Mantle –

Core -

Uniformitarianism -

Plate Tectonics

1. Defined as the set of ideas explaining the observed motion of the Earth's lithosphere through the mechanism of subduction and seafloor spreading, which in turn, generates the Earth's major features, including continents and ocean basins.

Three types of plate boundaries:

1. Divergent
2. Convergent
3. Transform

Divergent plate boundaries

Characteristics:

Example

Convergent plate boundaries

Characteristics:

Example

Transform plate boundaries

Characteristics:

Example:

Three Rock Types

Igneous –

Sedimentary –

Metamorphic –

The Rock Cycle –