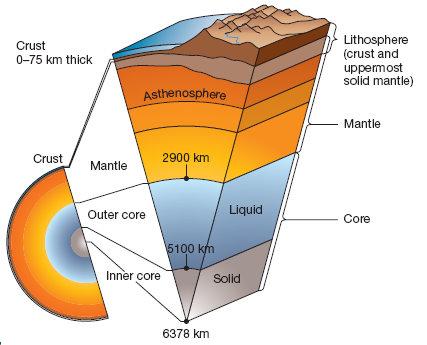
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_ Binder Page #\_\_\_\_\_\_

**Layers of the Earth** – “Fill in the Blank” Notes



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Crust** | **Mantle** | **Outer Core** | **Inner Core** |
| **Solid/Liquid?** | Thin, R\_\_\_\_\_\_\_\_ | H\_\_\_\_ / p\_\_\_\_\_\_\_\_\_\_\_\_  semi-molten, weak | L\_\_\_\_\_\_\_\_\_\_\_ | S\_\_\_\_\_\_\_\_\_ |
| **Thickness/depth** | Ocean: \_\_\_\_\_ km  Continents: up to  \_\_\_\_ km | \_\_\_\_\_\_\_\_\_ km | \_\_\_\_\_\_\_\_ km | \_\_\_\_\_\_\_\_ km |
| **Temperature** |  |  | \_\_\_\_\_-\_\_\_\_\_\_  Celsius | \_\_\_\_\_\_-\_\_\_\_\_\_ Celsius |
| **Composition** | G\_\_\_\_\_\_\_ / B\_\_\_\_\_\_\_\_ | I\_\_\_\_\_\_ / M\_\_\_\_\_\_\_\_\_\_\_ | I\_\_\_\_\_\_ / N\_\_\_\_\_\_\_\_\_\_ | I\_\_\_\_\_\_ / N\_\_\_\_\_\_\_\_\_\_\_ |
| **Extra????** |  | C\_\_\_\_\_\_\_\_\_\_\_\_\_ occurs here |  | solid because of P\_\_\_\_\_\_\_\_\_\_\_\_ |

**Lithosphere** -S\_\_\_\_\_\_\_\_, T\_\_\_\_\_\_\_\_ layer of E\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-consists of C\_\_\_\_\_\_\_\_\_\_ and U\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mantle

**Asthenosphere** -M\_\_\_\_\_\_\_\_\_\_\_\_\_ layer of the M\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-C\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells occur here

**Video Notes**

**Plates**  Carries C\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, Ocean Basins, or B\_\_\_\_\_\_\_\_\_

Move at an average of \_\_\_\_\_\_\_\_\_\_ inches per year

**Convection** As M\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ material moves, it causes P\_\_\_\_\_\_\_\_\_\_\_\_\_ to move above it as well

**Types of Plate Boundaries** **Divergent:** Plates move A\_\_\_\_\_\_\_\_\_\_\_\_\_

**Convergent:** Plates move T\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Transform:** Plates S\_\_\_\_\_\_\_\_ P\_\_\_\_\_\_\_ each other

**What happens at Plate Boundaries?**

**Divergent:** \*P\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ move apart

\*M\_\_\_\_\_\_\_\_\_\_\_\_ rises to fill the G\_\_\_\_\_\_\_

\*New C\_\_\_\_\_\_\_\_\_\_\_\_\_ is added

\*Mid-Ocean R\_\_\_\_\_\_\_\_\_\_\_\_ is created

**Convergent:** \*Plates move T\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A. O\_\_\_\_\_\_\_\_\_\_\_\_ plate sinks U\_\_\_\_\_\_\_\_\_\_\_\_ continental plate

\*Subduction Z\_\_\_\_\_\_\_\_\_\_ created

\*Deep T\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B. Continental plate meets C\_\_\_\_\_\_\_\_\_\_\_\_\_ plate

\*M\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ formed