

Name _____

Reading Notes Section 4.1 pg 70 +

1. What does the nebular hypothesis explain?
2. What is an **oblate spheroid**?
3. Why do items weigh differently between the poles and the equator of the Earth?
4. Comparitively, how much does an item weigh on the top of Mount Everest compared to a sea level beach?
5. What percentage of the world is dry land, how much is water?

Earth's Interior

6. Why did liquids separate into several layers in the early Earth?
7. List the layers of the internal Earth from the deepest to the surface.
8. What is the lithosphere made out of?
What does the prefix litho- mean (use a dictionary)
9. What is the difference between the mantle and the asthenosphere?
10. Which layer is responsible for the movement during plate tectonics?

Earth's Heat

9. List three ways the Earth gathered heat.

10a). As depth increases from 0m to 70m describe the temperature that you would experience in a cave.

10b) As depth increases from 70m downward, describe the temperatures that would be experienced as one went the lowest levels of a mine.

10c) Why is there a difference?

Earth's Magnetic Field

11. How do scientists hypothesize how our magnetic field was created?

12. Why is magnetic north not in line with the geographic north?