Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: 1 2 3 4 5 6

**Earth Science - Unit 1 Study Guide**

1) Name the four traditional subdivisions of Earth Science.

2) What is geology?

3) What is oceanography?

4) What is meteorology?

5) What is astronomy?

6) What is the difference between physical geology and historical geology?

7) What were the two main gases created by the solar nebula?

8) Name the 4 major spheres of the Earth.

9) What is the atmosphere?

10) What is the hydrosphere?

11) What is the geosphere?

12) What is the biosphere?

13) What are the 3 main parts of the geosphere?

14) The theory of plate tectonics helps scientists explain \_\_\_\_\_\_\_?

15) What is the driving force for the movement of the lithospheric plates?

16) What is powered by energy from the earth’s interior?

17) When can a hypothesis become a theory?

18) What is defined as an “untested explanation”?

19) What is defined as an idea that is “well tested and accepted by the scientific community”?

20) When competing hypotheses have been eliminated, a hypothesis may be elevated to a \_\_\_\_\_\_\_\_\_\_\_?

21) What is the difference between a hypothesis and a scientific theory?