**Review Worksheet 19**

**Dating**

1. TRUE or FALSE: The heat under the surface of the earth is partly due to the decay of radioactive atoms
2. What is the half life of Uranium 238?
3. What is the half life of Carbon 14?
4. TRUE or FALSE: Carbon-14 dating can only be used to date inorganic material, and cannot be used to date thing that were once alive
5. We should not find Carbon 14 in things that are older than \_\_\_\_\_\_\_\_\_\_ years old
6. What are 2 sources of Carbon 14?
7. Describe some of the assumptions scientists use behind radiometric dating
8. How would pre-flood forests have affected C14:C12
9. How do the following things contribute to our understanding of how old the earth is?
   1. Ocean sediment/salt
   2. Continent erosion
   3. Magnetic field
10. What is liquefaction?
11. In at least 4 sentences, describe how liquefaction and lenses contribute to our understanding of how layers formed in the flood
12. What is the origin of coal?
13. Name at least 2 geological features that flood liquefaction would explain
14. The Great Unconformity is the division between what two groups of rock layers?