**Archaea**

1. **Kingdom/Domain Archaea**
   1. “Archaea” comes from the \_\_\_\_\_\_\_ word meaning \_\_\_\_\_\_\_\_\_\_
   2. Previously grouped with \_\_\_\_\_\_\_\_\_\_ in the kingdom \_\_\_\_\_\_\_\_\_, differentiated in the 1970’s by \_\_\_\_\_\_\_\_\_ based on \_\_\_\_\_\_\_\_ analysis
   3. \_\_\_\_\_\_\_\_\_\_\_ meaning they don’t have a \_\_\_\_\_\_\_\_\_\_
   4. Extremophiles, some examples
      1. Methanogens: consume \_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_ as a source of energy and produce \_\_\_\_\_\_\_\_\_ as a waste product
      2. Halophiles: means \_\_\_\_\_\_\_\_\_ loving, live in environments where salt concentrations may reach up to 15% (compared to 3.5% in seawater)
      3. Thermoacidophiles: means \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ loving
   5. These environments in which Archaea thrive are thought be be similar to Earths early atmosphere which indicates that: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**https://www.youtube.com/watch?v=D69hGvCsWgA**