Name: Key Date: 5/5/14 Block: 1, 2, 3

Living things are classified into 3 DOMAINS, which are divided into 6 KINGDOMS.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Domain** | **Kingdom** | **Type** **of** **Cell** | **Cell Wall** | **Single** **or Multicelled** | **Autotroph** **or Heterotroph** | **Where can they live?** | **Examples** |
| 1. Archaea | Archae-bacteria | prokaryotic | Yes:no pepti-doglycans | single celled | autotroph or heterotroph | can live in extreme enviornments (heat, salt, high CO2) | methanogen(CO2), halophiles(salt)  |
| 2. Bacteria | Eubacteria | prokaryotic | Yes:peptidoglycans | single celled | autotroph or heterotroph | land, water, human body | E. coli, strep, salmoilla |
| 3. Eukarya  | A. Plant | eukaryotic | Yes:cellulose | multicellular | autotroph | land or water | mosses, ferns, pine trees, tulips |
|  | B. Animalia | eukaryotic | None | multicellular | heterotroph (eat other organisms) | land or water | bears, ants, pigs, birds, spiders |
|  | C. Protista | eukaryotic | Yes:cellulose | single celled(can form colonies) | autotroph or heterotroph | most live in water | amoeba, algae, slime molds, kelp |
|  | D. Fungi | eukaryotic | Yes:chitin | single, but most are multicellular | heterotroph(absorb nutrients from dead organisms) | land or water | yeast, mushrooms, bread mold |