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

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

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |