Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

**The Six Kingdoms**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **DOMAIN** | **ARCHAEA** | **BACTERIA** | **EUKARYA** | | | |
| **KINGDOM** |  | Eubacteria |  |  |  |  |
| **CELL TYPE**  **(Eukaryotic/**  **Prokaryotic)** |  |  |  |  |  |  |
| **TYPE OF REPRODUCTION**  **(Sexual/Asexual)** |  |  |  |  |  |  |
| **CELL WALL**  **(Present/Absent, and composition)** | Present; without peptidoglycan |  |  |  |  | None |
| **# OF CELLS**  **(Multicellular/**  **Unicellular)** |  |  | Most unicellular, some colonial & some multicellular |  |  |  |
| **MODE OF NUTRITION**  **(Autotrophic/**  **heterotrophic)** |  |  |  |  | Autotrophic |  |
| **LOCOMOTION**  **(Sessile, motile or free-floating)** |  |  |  |  |  |  |
| **THREE EXAMPLES** |  |  |  | Mushrooms  Yeast  Mold |  |  |

**Part 1: Complete the following chart.**

**Part 2:** What kingdoms would the following “mystery” organisms belong to? List **all kingdoms** that may apply.

1. Multicellular, autotrophic, cell wall- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

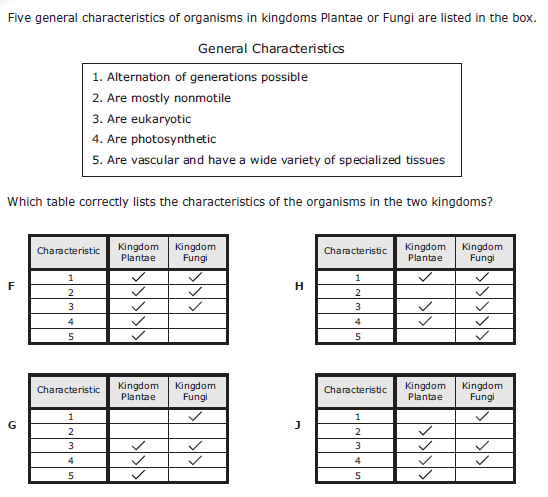
2. Unicellular and prokaryotic- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Eukaryotic, heterotrophs- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 3:** Compare the Plant, Animal & Fungi kingdoms by using the chart below. Put an X in **the correct box or boxes next to each characteristic that applies to plants & animals & fungi**.

|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristic** | **Plant** | **Animal** | **Fungi** |
| Living organism | X | X | X |
| Formed from cells |  |  |  |
| Contain chlorophyll |  |  |  |
| Autotrophic |  |  |  |
| Moves from place to place (motile) |  |  |  |
| Stationary (sessile) |  |  |  |
| Can reproduce its own kind |  |  |  |
| Depends on the sun’s energy |  |  |  |
| Cells do not have cell walls |  |  |  |

**Part 4:** Read the question below and choose the best answer.

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