# **Understanding Kingdoms**

1. Fill in the following table with the characteristics of the organisms in each kingdom.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Kingdom** | **Common Name** | **Producer (Y/N)** | **Cell walls (Y/N)** | **Example** |
| Animalia |  |  | N |  |
| Plantae |  | Y |  |  |
| Fungi | fungus |  |  |  |

1. Create a branched key that you could use to identify whether an organism is an animal, plant, or fungus.
2. Fill in the table below with the features and kingdom of each organism.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scientific Name** | **Producer** | **Cell walls** | **Kingdom** | **Common Name** | **Name Meaning** |
| *Toxicodendron radicans* | Yes | Yes |  |  |  |
| *Lactarius indigo* | No | Yes |  |  |  |
| *Megaptera novaeangliae* |  |  | Animalia |  |  |
| *Ailuropoda melanoleuca* | No | No |  |  |  |
| *Helianthus annuus* |  |  | Plantae |  |  |
| *Saccharomyces cerevisiae* |  |  | Fungi |  |  |

1. Research the common names of each of the organisms above.
2. Research the meanings of the scientific names of the organisms above. (Hint: [en.wiktionary.org](https://en.wiktionary.org) is a useful resource.)