**Lab: Classification of Kingdom Plantae & Animalia**

**(Outcome 18)**

**Biology 11 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- |
|  | **18 (Lab):** I can identify the phyla of a variety of plant and animal specimens and can give justification based on their observable characteristics.  |

**Directions:** Move your way around the classroom to each station showing a single organism with a number. Find that number on the chart below and answer the sections found.

**Reminder:**

Kingdom Plantae Groups: Bryophytes, Pterophyte, Coniferophyte or Anthophyte

Kingdom Animalia Groups: Sponges, Cnidarians, Flatworms, Roundworms, Segmented worms, Mollusks, Echinoderms, Arthropods or Chordates

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Organism Name | Kingdom (Plantae or Animalia) | Group or Phyla | Justification |
| 1 | crab |  |  |  |
| 2 | squid |  |  |  |
| 3 | sponge |  |  |  |
| 4 | grasshopper |  |  |  |
| 5 | fern |  |  |  |
| 6 | starfish |  |  |  |
| 7 | cat |  |  |  |
| 8 | pine tree |  |  |  |
| 9 | liverwort |  |  |  |
| 10 | ascaris |  |  |  |
| 11 | jellyfish |  |  |  |
| 12 | Lily |  |  |  |
| 13 | tape worm |  |  |  |
| 14 | polychaete |  |  |  |
| 15 | club moss |  |  |  |

**Extension:** Identifying animal-like protists **Value = 12 marks** (1 identifying, 3 diagram) x 3

There are 3 stations set up with microscopes and specimens from kingdom protist (animal-like).

* Using the pipette found at each station collect a small amount of the specimen material ensuring your collect from the bottom of the jar.
* Place it into the depression on the slides provided.
* Put the specimen under the microscope and identify what specimen(s) you are viewing by using the dichotomous key provided.
* Using the prepared slides left at each station, create a proper biological diagram for each and label your diagram using the textbook pages provided. Remember we only label what we actually see!