INVERTEBRATES Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

First, define the common words used in the invertebrate unit.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| animal =  |   |   |   |   |   |
| asymmetrical =  |   |   |   |   |   |
| bilateral symmetry =  |   |   |   |   |
| radial symmetry =  |   |   |   |   |
| cephalization =  |   |   |   |   |   |
| coelom =  |   |   |   |   |   |
| pseudocoel (pseudocoelom) =  |   |   |   |   |
| protostome =  |   |   |   |   |   |
| deuterostome =  |   |   |   |   |   |

For each Invertebrate Phyla, fill out the spread sheet with appropriate information in each box. You should have information in each box from information gathered from the Shape of Life movies, lecture, and your book. Be sure to include the vocabulary words from this page and define them in the appropriate box. When you use the words in subsequent columns you will not need to define the function.

|  |  |  |
| --- | --- | --- |
| Phyla | Vocabulary | Drawings |
| Porifera | hermaphrodite | 2 sponges |
| 25.4 | collar cell | 1 spicule (slide) |
|   | amoeboid cell (fig 25.10 |   |
|  |  |  |
| Cnidarians - 25.5 | mesoglea  | 1 coral |
|   | polyp | 1 anemone |
|   | nematocyst | 1 jelly |
|   | hydrostatic skeleton | 1 man of war |
|   | medusae | 1 hydra (slide) |
|  |  |  |
| Platyhelminthes  | pharynx | planaria |
| (Flatworms) | ganglia | fluke |
| 25.6 | nerve cord | tapeworm |
|   | flame cell |   |
|   | proglottids |   |
|   | scolex |   |
| Phyla | Vocabulary | Drawings |
| Nematoda  | cuticle | 1 roundworm |
| (roundworms) | pinworms |   |
| 25.11 | Elephantiasis |   |
|  |  |  |
| Annelids (25.7) | nephridia | 1 earthworm |
|   | clitellum | 1 polycheate |
|   | closed circulatory system | 1 leech |
|  |  |  |
| Mollusks 25.8-9 | mantle | 1 clam |
| Include - | gills | 1 snail |
| Chitons | radula | 1 octopus |
| Gastropods | torsion | 1 squid |
| Bivalves | jet propulsion | 1 chiton |
| Cephalopods |   |   |
|  |  |  |
| Arthropods  | exoskeleton | **Chelicerates -** |
| 25.11-17 | complete metamorphosis | spider |
|   | incomplete metamorphosis | scorpion |
|   | jointed appendages | horseshoe crab |
|   | antennae | spider or mite slide |
|   | chelicerae | **Crustaceans -**  |
|   | malpighian tubules | crab |
|   | mandible | barnacle |
|   | molt | crayfish |
|   |   | **Myriapods -**  |
|   |   | centipede |
|   |   | millipede |
|   |   | **Insects** |
|   |   | butterfly |
|   |   | grasshopper |
|  |  |  |
| Echinoderms | water-vascular system | sea star |
| 25.18 | tube feet | brittle star |
|   |   | sea biscuit |
|   |   | sea urchin with spines |
|   |   | sea urchin w/o spines |