**Step I: Warm-Up**

Are these animals? Write a Y (yes) or N (no) beside each example.

\_\_\_\_barnacle \_\_\_\_sponge \_\_\_\_moss \_\_\_\_ostrich

\_\_\_\_algae \_\_\_\_sea star \_\_\_\_yeast \_\_\_\_bee

\_\_\_\_bacteria \_\_\_\_bat \_\_\_\_tapeworm \_\_\_\_human

\_\_\_\_rock \_\_\_\_robot \_\_\_\_jellyfish \_\_\_\_eel

\_\_\_\_crystal \_\_\_\_clam \_\_\_\_snail \_\_\_\_coral reef

What characteristics did you use to determine your answer? What IS an animal?

**Step II: Homework**

*Animals develop in a unique manner. Draw and explain each stage below.*

|  |  |
| --- | --- |
| Fertilization | Zygote |
| Blastula | Gastrulation |

What is a germ layer?

Draw the three animal germ layers and describe their destiny/role in the body:

Put the following words in the correct sequence, beginning with the earliest:

***Gastrula, adult, fertilized egg, blastula, embryo***

What are the three types of symmetry in animals? Provide an example of an animal that exhibits each type of symmetry.

Define Cephalization.

What is another term for “body cavity”?

Label the following diagram with the terms: ventral, dorsal, posterior, anterior



What percentage of animals are invertebrates?

Vertebrates appear in Phylum \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What are some examples of animals in phylum arthropoda? Phylum annelida?