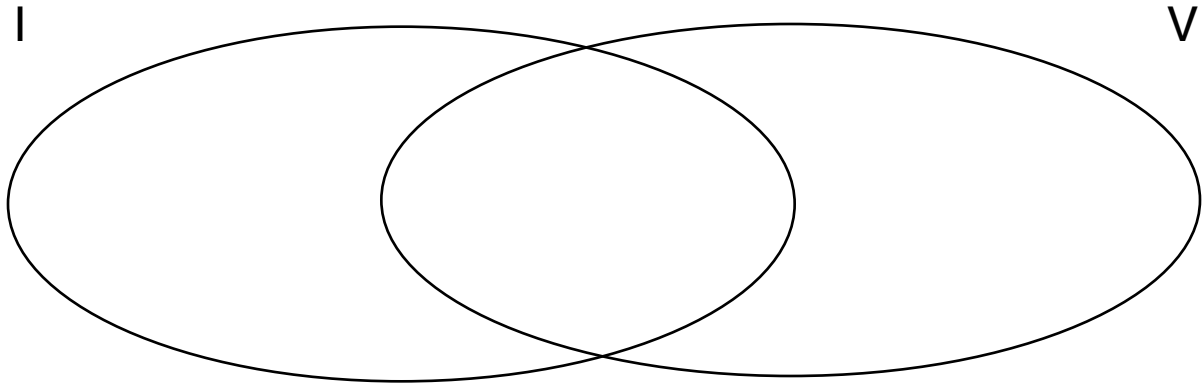


Name _____ Period _____ Date _____

Invertebrate Study Guide A

1. What are the main characteristics of the kingdom animalia?
2. Compare and contrast invertebrates and vertebrates using a venn diagram.



3. Put in order the steps of how a sponge gets its food and oxygen.

____ Water enters the pores of the sponge
____ cells absorb food and oxygen that is dissolved in the water
____ water leaves central cavity by a large opening carrying away waste
____ flagella on the collar cells beat creating a current

4. put in order the steps of how Cnidaria obtain their food.

____ food is digested in the gut
____ tentacles grasp food and put into mouth
____ nerve net senses prey
____ waste is eliminated from the mouth
____ nematocysts sting prey therefore stunning or killing it

5. Label: nematocysts, tentacles, mouth, central cavity, medusa, polyp, sessile, mobile

6. Define the following:

Cell differentiation:

Radial symmetry:

Bilateral symmetry:

Asymmetrical:

Anterior:

Posterior:

Dorsal:

Ventral:

Spicule:

Asexual Reproduction:

Sexual Reproduction:

Nematocysts:

Regeneration:

Water Vascular System:

Tube Feet:

7. Describe how a pearl is made.

8. Name the 3 categories of molluscs and give examples of the types that humans eat.

9. Put the following invertebrates in order from simplest to the most complex. Explain why.

_____mollusca

_____porifera

_____cnidaria

10. Match the phylum name with the meaning.

_____1. soft bodied

A. porifera

_____2. to sting

B. cnidaria

_____3. flatworm

C. mollusca

_____4. jointed foot

D. echinodermata

_____5. threadlike

E. platyhelminthes

_____6. pore-bearing

F. nemathelminthes

_____7. spiny skin

G. annelida

_____8. has a nerve cord

H. arthropoda

_____9. segmented- ringed

I. chordata

11. Why is it important to study the kingdom animalia?

Match the following animals to their phyla or class

- | | |
|-------------------------|--------------------|
| _____1. starfish | A. porifera |
| _____2. millipede | B. cnidaria |
| _____3. flatworm | C. mollusca |
| _____4. snail | D. echinodermata |
| _____5. sponge | E. platyhelminthes |
| _____6. butterfly | G. annelida |
| _____7. crayfish | H. chilipoda |
| _____8. coral | I. millipoda |
| _____9. spider | J. arachnida |
| _____10. roundworm | K. insecta |
| _____11. octopus | L. crustacea |
| _____12. shrimp | |
| _____13. jellyfish | |
| _____14. sea urchin | |
| _____15. segmented worm | |
| _____16. oyster | |
| _____17. sea anemone | |
| _____18. lobster | |
| _____19. centipede | |
| _____20. clam | |