

K/H Level-Invertebrate, Vertebrate and Body Systems Review Sheet

1. List the characteristic for Kingdom Animalia
2. What is the difference between an open and closed circulatory system? In general, which organisms would have an open system or a closed system?
3. What type of feeding habit do sponges have?
4. What is the main function of the excretory system?
5. Is an endoskeleton internal or external? Does it provide more or less support for an organism?
6. Explain the difference between endotherms and ectotherms.
7. How do sponges benefit other organisms?
8. Explain what a nerve net is.
9. What are eyespots?
10. What are nematocysts?
11. What is a primitive brain referred to as?
12. Why do parasitic worms lack a digestive tract? (Hint: think about what they need in order to obtain energy.)
13. What structure do segmented worms use for excretion?
14. What evidence do we have that mollusks and annelids are closely related?
15. Explain the difference between a gastrovascular cavity and a digestive tract.

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16. Which group of organisms have the most complex nervous system? Least complex?
17. Aquatic organisms use _____ to respire, while land organisms use _____ to respire.
18. Reptiles were the first types of animals to do what?
19. List characteristics of amphibians.
20. List characteristics of mammals.
21. Reproduction in mammals involves internal or external fertilization?
22. Is mammalian embryo development oviparous, ovoviviparous, or viviparous? Describe each one.
23. What is a notochord?
24. What does the swim/air bladder do for bony fish?
25. What are (two) structures that help mammals maintain their body heat?
26. Monotremes are unique from other mammals because they can do what? (Hint: Think about a Platypus.)
27. What does the placenta do for some mammals?
28. Name 3 ways water can be lost in the body.
29. Which 3 systems remove waste products from the body?
30. What is convergent evolution? What is divergent evolution?
31. Review over all body systems including functions, names of systems, and organs involved.

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