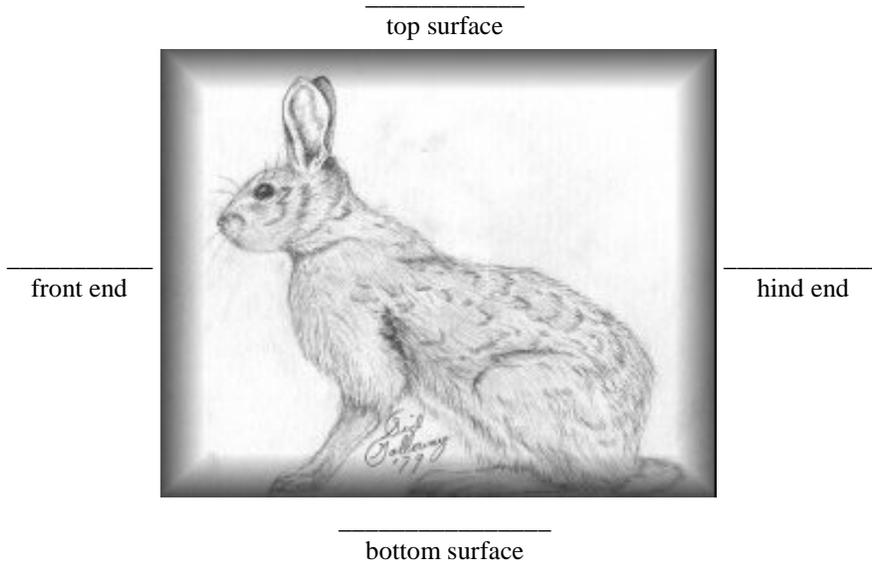
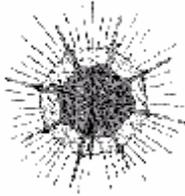


**Mr. Galloway Life Science 7<sup>th</sup> TEST STUDY GUIDE:**  
**Ch 10-11 Animals Invertebrates (2 points each)**

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Write the correct word in the blanks to show directions on an animal body:  
 \*\* Word Bank (Posterior, Ventral, Dorsal, Anterior)



Write the correct word in the BOXES to identify the correct SYMMETRY: ** Word Bank (bilateral, radial, asymmetrical, spherical)			
<input type="text"/> Ball-shaped, the body can be divided into two identical parts by any plane passing through the center. 	<input type="text"/> The body can be divided into two identical halves by any plane that passes through the longitudinal axis. 	<input type="text"/> The body can be divided into two identical halves (mirror images) by only one specific plane passing through the longitudinal axis. 	<input type="text"/> The body has no definite shape and cannot be divided into two identical halves. 

1. Invertebrates and vertebrates belong to what Kingdom?
2. Invertebrates are animals that have
3. Vertebrates are animals that have
4. Invertebrates make up what percentage of animals
5. Animals that eat other animals are called
6. Animals that eat plants are called
7. Animals that eat both plants and animals are called
8. Mutations always cause
9. **Evolutionary scientists** believe mutations and natural selection cause animal “kinds” to
10. **Biblical scientists** believe that mutations and natural selection cause animal “kinds” to
11. An animal with a body like a bag full of holes (pores) is called a(n)
12. Hydras, jellyfish, and corals are a type of
13. The stinging cells of cnidarians are called
14. Which of the following is not a major phyla of worms
15. A cnidarian body plan that is shaped like a flower vase is called a
16. A cnidarian body plan that is shaped like a bowl or bell is called a
17. Sponges are **NOT** plants because they are
18. The way some worms can regrow a lost body part is called
19. The type of worms which are usually parasites are
20. A one-way digestive tract means the animal
21. A closed circulatory system

22. Some mollusks have a layer of tissue which produces a shell. The tissue is called the
23. Mollusks have a flexible ribbon of tiny teeth (250,000 or more) called a
24. Which of the following is **NOT** one of the three major groups of mollusks?
25. The smartest group of mollusk is the
26. The animal with the best camouflage ability to change its color and shape is the
27. The phylum arthropods include all of the following major groups **EXCEPT**
28. Spiders, mites, ticks, and scorpions are in the group
29. Complete metamorphosis includes all **BUT** which one of the following stages
30. Sea stars and sea urchins are members of which group
31. Pheromones are
32. Bioluminescent chemicals are
33. Some worms are hermaphrodites, which means
34. A nymph is a stage during a type of metamorphosis

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**Two BONUS QUESTIONS: (2 pts each)**

1. Why did God make animals able to **camouflage**? (2 pts)
2. "Complete Metamorphosis" (2 pts)