

Student name : \_\_\_\_\_ Class Period: \_\_\_\_\_

## Animalia

<https://youtu.be/wd-QnKlfZHI>

1. What is a Eukaryote?

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2. What are metazoans?

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3. List and DEFINE the characteristics of Animals:

a. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

d. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

e. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

f. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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4. When did animals first arise?

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5. What is an invertebrate?

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6. What is the first characteristic of the first classification group and how are they classified. Name the first group and give examples

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7. What is the second characteristic of the second classification group and how are they classified. Name the first group and give examples

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8. What is the third characteristic of the third classification group and how are they classified. Name the first group and give examples

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9. List the sequence of embryonic development.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

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10. What is gastrulation?

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11. Define Protostomes – Which organisms belong in this group?

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12. Define Deuterostomes - Which organisms belong in this group?

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13. Define Acoelomates and Coelomates

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14. What are the two groups of coelomates?

a. \_\_\_\_\_

b. \_\_\_\_\_

15. Which are the segmented animals?

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16. Write a brief description of the members of each family:

a. Sponges:

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b. Cnidarians

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c. Flatworms

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d. Molluscs

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e. Annelids

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f. Arthropods

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g. Nematodes

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h. Echinoderms

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17. What separates the big groups of Vertebrates?

a. Lancelets

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b. Lamprey

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c. Cartilage fish

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d. Bony fish

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e. Lobe finned fish

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f. Amphibians

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g. Reptiles

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h. Mammals

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