



ALTERNATE ASSIGNMENT TO GRASSHOPPER DISSECTION

NAME _____

Use the following websites to answer the following questions. Write the name of the website where your answer was found in the space provided.

http://www.sidney.ars.usda.gov/grasshopper/ID_Tools/F_Guide/extanat.htm
<http://en.wikipedia.org/wiki/Grasshopper>
<http://www.kendall-bioresearch.co.uk/class.htm>

1. Grasshopper Classification:

Domain: _____

Kingdom: _____

Phylum: _____

Class: _____

Order: _____

Website Used: _____

2. Body Segments:

Name the three body segments of a grasshopper: 1. _____

2. _____

3. _____

Website Used: _____

3. What two sensory organs are found on the head of a grasshopper?

1. _____

2. _____

Website Used: _____

4. What are the three shapes that the antenna can take?

1. _____

2. _____

3. _____

Website Used: _____

5. What kind of eyes do grasshoppers have?

Website Used: _____

6. What appendages are attached to the thorax?

Website Used: _____

7. How many *pairs of legs* does a grasshopper have?

How many *pairs of wings* does a grasshopper have?

Website Used: _____

8. The *walking* legs are attached to what part of the thorax?

The *jumping* legs are attached to what part of the thorax?

Website Used: _____

9. Describe the two different kinds of wings that grasshoppers have:

Front wing:

Hind wing:

Website Used: _____

10. The front wing of a grasshopper is called:

Website Used: _____

11. Where are the auditory organs of the grasshopper found?

What are they called?

Website Used: _____

12. How many segments make up the abdomen?

Website Used: _____

13. A grasshopper has just found some juicy grass to eat. Trace the pathway that the grass will take through the grasshopper:

Website Used: _____

14. Describe the respiratory system of a grasshopper: (how do they breathe?)

Website Used: _____

15. Describe the circulatory system of a grasshopper:

Website Used: _____

16. Describe the nervous system of a grasshopper:

Where are the ganglia found?

Website Used: _____

17. What are the two ways that grasshoppers can make sounds?

Website Used: _____

18. How many species of grasshoppers are there?

Website Used: _____

19. The classes in this Phylum are based on the number of legs that the insect has. Name the four classes that belong to this phylum and the number of legs the insects in that class have.

Class: _____ Legs: _____

Class: _____ Legs: _____

Class: _____ Legs: _____

Class: _____ Legs: _____

Website Used: _____