

Name: _____

Test Date: __10/18/19__

Classification of Plants and Animals Study Guide

1. Complete the chart by **defining** each term.

Vertebrate	
Invertebrate	
Seed Producer	
Non-Seed Producer	
Kingdom	
Species	
Classification	
Biologist	

2. Which type of animal kingdom is more complex (which has more organisms?) vertebrate or invertebrate? circle one.

3. Label each of the following as seed producer (S) or non-seed producer (N).

a. A rose bush _____

b. Fern _____

c. grass _____

d. Spanish moss _____

4. Label each of the following as vertebrate (V) or invertebrate (IN).

a. squid _____

b. eagle _____

c. snake _____

d. insect _____

e. clam _____

f. fish _____

g. seal _____

h. spider _____

i. whale _____

5. Classes of Vertebrates – You will need to be able to explain how species are different from one another based on characteristics (traits). INSERT 3 EXAMPLES for EACH

Type	Characteristics	Examples
Mammals	-warm blooded -breathe air with lungs - produce milk for their young - most have fur or hair	-
Fish	-cold blooded -use gills to breathe -have fins or scales	
Birds	-warm blooded -breathe air with lungs -feathers, wings, toothless	
Amphibians	-cold blooded -lives part of their lives in water -smooth, moist skin	
Reptiles	-cold blooded -breathes air with lungs -body covered in dry scales	

Linnaeus's Scientific Classification system has seven levels:

6. K = P = C = O =
 F = G = S =

You need to know the order from the top down. These sentences may help you remember the order .

Keep ponds clean or frogs get sick.

King Phillip came over for great spaghetti!

7. Organisms are typically classified into groups based on...

- a. things or traits that they have in common/share
- b. whether or not they breathe
- c. only if they produce seeds or not
- d. only if they have a backbone or not

8. Fins and gills are traits typically found in...

- a. mammals
- b. fish
- c. birds
- d. none of the above

9. In the space below, draw an image of vertebrate and invertebrate:

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10. In the space below, draw an image of a seed producer and a non-seed producer:

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