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**TEST DATE:**

**Animal Classification (S5L1a)**

**STUDY GUIDE**

Vocabulary:

Classification – the process of grouping similar animals together

Dichotomous key – the process scientists use to classify living things into groups;

means “divided into two parts”.

Vertebrate – an animal with a backbone

Invertebrate – an animal WITHOUT a backbone

The 5 groups of vertebrates are (ALL have a backbone):

|  |  |
| --- | --- |
| Group | Characteristics |
| Mammals | Hair or fur; has live babies; feeds milk to their young; warm-blooded |
| Reptiles | Covered with dry scaly skin; hatch from leathery eggs; cold-blooded |
| Birds | Have feathers, wings and feet; most fly; babies fed by mother’s mouth; warm-blooded |
| Fish | Breathe with gills; covered in scales; cold-blooded |
| Amphibians | Spends one half of life in water, half on land;  Born from eggs laid in water; breathe with gills, then later develop lungs; cold-blooded |

Ninety-five percent (95%) of ALL animals are invertebrates. This group includes worms, mollusks (soft-bodied), and arthropods like insects and spiders.

LABEL the tree maps and place the animals from the Word Bank in correct groups:

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All words in the word bank will be used to complete the two Tree Maps above.

**WORD BANK**

Vertebrates black snake platypus eagle

salamander wolf turtle dog

alligator toad shark bear

chicken trout dolphin squid

whale ladybug spider eel

beaver starfish lizard octopus

cat snail butterfly worm

lobster goldfish frog fly

Invertebrates Birds Mammals Fish

Amphibians Reptiles human newt