

Animal Diversity Web Quest

Today we are going to learn about different types of animals. There are two main groups of animals:

1. Invertebrates
2. Vertebrates

Examples of invertebrate animals are insects, snails, clams, worms, spiders, lobsters and crabs. These animals DO NOT have a spinal column.

We are going to study vertebrate animals. Examples of vertebrate animals are mammals, birds, reptiles, amphibians and fish. These animals have a spinal column made of many bones.



Directions:

1. Go to the following website:
<http://www.biokids.umich.edu/critters/>
2. Click on mammals
3. Answer these questions:

What are four important characteristics of mammals?

Characteristics are things that animals have in or on their bodies.

Are there any mammals that can lay eggs? Yes No

What does the word "warm-blooded" mean?

Write down FIVE different types of mammals you can think of:



4. Click on Critter Catalog
5. Click on birds
6. Answer these questions:

What are three special things that all birds have?

Can all birds fly? Yes No

What does the word "warm-blooded" mean?

How do all birds reproduce? _____

Write down FIVE different types of birds you can think of:



7. Click on Critter Catalog
8. Click on amphibians
9. Answer these questions:

Name two places amphibians live:

How are amphibians similar to birds?

What do baby amphibians have to help them breathe underwater?

What does the word "metamorphosis" mean?

Are amphibians warm-blooded or cold-blooded?

What does the word "cold-blooded" mean?

Write down THREE different types of amphibians you can think of:



10. Click on Critter Catalog
11. Click on reptiles
12. Answer these questions:

What are two special things that all reptiles have?

Why are scales important for reptiles to have?

Can reptiles breathe under water? Yes No

Why are birds considered to be reptiles?

Write down FIVE different types of reptiles you can think of:



13. Click on Critter Catalog

14. Click on fish

15. Answer these questions:

What are four special things that all fish have?

Do all fish lay eggs? Yes No

Are fish warm-blooded or cold-blooded? _____

What does the word "cold-blooded" mean?

Name three places that freshwater fish live.

Name three places that marine fish live.

Write down FIVE different types of fishes you can think of:

16. Now that you have finished the Web Quest, use the worksheet you just filled out to complete the matching section below.

Matching: Match each of the following characteristics to the correct type of animal.

- a) These are the animals that live in the water and they have both gills and fins. _____
- b) These animals have scales on at least some part of their body and they lay leathery or hard-shelled eggs. _____
- c) These animals have lungs and therefore they cannot breathe underwater. 3 Types: _____
- d) These animals can breathe underwater because they have gills. 2 Types: _____
- e) These animals have hair on their bodies and the mothers always feed milk to their babies. _____
- f) These are the only animals with feathers. _____
- g) These animals are warm-blooded. 2 Types: _____
- h) These animals are cold-blooded. 3 Types: _____
- i) These animals live in land and in the water and they go through a change that is called metamorphosis. _____

Types of Animals to choose from:

Mammals Reptiles Fish Amphibians Birds