

Animal Classification

Name : _____ Per : _____

Name of Animal	Appendages					Body Covering				Temperature Regulation		Breathing Mechanism	
	Fins	Wings	Forelegs	Hind legs	Horns	Smooth skin	Scales	Feathers	Hair	Cold-blooded	Warm-blooded	Gills	Lungs
Domed Tortoise													
Dodo													
Utah Lake sculpin													
Texas red wolf													
Passenger pigeon													
Eastern elk													
Round Island boa													
Palestinian painted frog													
Oregon bison													
New Zealand grayling													

Data Table 1

Using a Classification Key

- Using the information from the pictures and the chart, the classification key shown below was developed. See if you can classify each animal by placing it in its correct position in this key.

CLASSIFICATION KEY FOR THE EXTINCT ANIMALS SHOWN IN FIGURE 1

1a	. Is warm-blooded.....	Go to 2
1b	. Is cold-blooded.....	Go to 6
2a	. Has feathers.....	Go to 3
2b	Has hair or fur.....	Go to 4

3a	Has a narrow, straight beak.....	_____
3b	Has wide, crooked beak.....	_____
4a	. Has horns.....	Go to 5
4b	. Has no horns.....	_____
5a	Horns have many branches.....	_____
5b	. Horns have no branches.....	_____
6a	. Breathes with gills.....	Go to 7
6b	. Breathes with lungs.....	Go to 8
7a	Has large, fan-shaped fins just behind the head.....	_____
7b	Has small pectoral fins.....	_____
8a	. Has scaly skin.....	Go to 9
8b	. Has smooth skin.....	_____
9a	Has front and hind legs.....	_____
9b	. Has no legs.....	_____

Observations and Conclusions

1. Reptiles are cold-blooded, have scale like skin, and breathe with lungs. Which of the animals in Figure 1 are reptiles?

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2. The Palestinian painted frog is an amphibian. How are amphibians different from reptiles?

3. Mammals are warm-blooded, have hair or fur, breathe with lungs, and give birth to live young. Which of the animals in Figure 1 are mammals?

4. The two classes of vertebrates that are warm-blooded are the birds and the mammals. Which animals in Figure 1 are birds?

5. Which of the following pairs of vertebrate classes are most like each other (share the most characteristics)? Circle your choice.

- | | |
|----------------------|-------------------------|
| Birds and fish | amphibians and reptiles |
| Reptiles and mammals | fish and mammals |

6. To which vertebrate class do you belong?
