



# Mammal Study

## Merit Badge Workbook



Scout's Name: \_\_\_\_\_ Date: \_\_\_\_\_

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1. Explain the meaning of "animal," "invertebrate," "vertebrate," and "mammal." **COMPLETE AHEAD OF TIME**

animal	
invertebrate	
vertebrate	
mammal	

Name three characteristics that distinguish mammals from all other animals.

1.	
2.	
3.	

2. Explain how the animal kingdom is classified.


Explain where mammals fit in the classification of animals.


Classify three mammals from phylum through species.

Mammal	Opossum	Coyote	Eastern Gray Squirrel
Phylum:			
Class:			
Order:			
Family			
Genus			
Species			

3. Do the following:

c. From study and reading, write a simple life history of one non-game mammal that lives in your area.


Tell how this mammal lived before its habitat was affected in any way by humans.


Tell how it reproduces, what it eats, and its natural habitat.


Describe its dependency upon plants, upon other animals (including humans), and how they depend upon it.


Tell how it is helpful or harmful to humankind.


4. Do the following:

- b. Observe two kinds of mammals in the wild. Record the date(s), time of day, weather conditions, approximate distance from the animal, habitat conditions, and any other factors you feel may have influenced the animal's activity and behavior.

	#1	# 2
Mammal:		
Date:		
Time of Day:		
Weather Conditions:		
Approx. Distance:		
Habitat Conditions:		
Other factors:		

g. Trace two possible food chains of carnivorous mammals from soil through four stages to the mammal.

Possible food chain 1: **Nocturnal**

Soil:	
Stage 1:	
Stage 2	
Stage 3	
Stage 4	

Possible food chain 2: **Forest Habitat**

Soil:	
Stage 1:	
Stage 2	
Stage 3	
Stage 4	

5. Select and carry out one restoration project that will influence the numbers of one or more mammals. Please record the type of project, location and date you participated. Check with counselor if you need ideas for projects.

**CAN BE COMPLETED AHEAD OF TIME**
