



# MAMMAL STUDY

## BYU Merit Badge PowWow

### Official Merit Badge Worksheet

Scout's Name

Instructor's Name

Scout's Address

City

State

Zip

#### Instructions

- 1) The Scout is to review the merit badge book before the first week of PowWow.
- 2) Bring this work sheet, paper, and pencil or pen each week.
- 3) **Bring a Merit Badge blue card with you on the second week.**

#### Requirement Instructions\*

- 1) Requirements 1 and 2 should be passed off during the two sessions of PowWow.
- 2) Requirements 3, 4, and 5 should be completed **either before** PowWow **or as homework.**

**\* Due to possible time constraints at the PowWow, certain requirements that were originally planned to be completed in class may need to be completed as homework. Please LISTEN to ALL INSTRUCTIONS in class to be aware of any changes.**

#### Requirement 1

Initial

Explain the meaning of the following terms.

Animal:

Invertebrate:

Vertebrate:

Mammal:

List three characteristics that distinguish mammals from all other animals.

A.

B.

C.

#### Requirement 2

Initial

Explain how the animal kingdom is classified.

Explain where mammals fit in the classification of animals.

Classify three mammals from phylum through species:

Mammal: Classification:

Mammal: Classification:

Mammal: Classification:

**Requirement 3**

**Initial**

Do ONE of the following:

*Option A:*

Spend three hours in each of two different kinds of natural habitats or at different elevations. List the different mammal species and individual members that you identified by sight or sign.

Area/Elevation 1:

Mammals identified:

Area/Elevation 2:

Mammals identified:

Tell why all mammals do not live in the same kind of habitat.

*Option B:*

Spend three hours on each of five days on at least a 25-acre area (about the size of 3<sup>1</sup>/<sub>2</sub> football fields).

List the mammal species you identified by sight or sign.

*Option C:*

From study and reading, write a simple history of one nongame mammal that lives in your area.

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

Tell about its natural habitat.

Tell about how it reproduces.

Tell what it eats and what eats it.

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

Tell how it is helpful or harmful to man.

**Requirement 4**

**Initial**

Do ONE of the following:

*Option A:*

Under the guidance of a nature center or natural history museum, make two study skins of rats or mice.

Skin 1:

Skin 2:

Tell the uses of study skins.

Tell the uses of mounted specimens.

*Option B:*

Take good pictures of 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.

	Photo 1	Photo 2
Mammal:		
Date:		
Time of Day:		
Weather Conditions:		
Approximate Distance:		
Habitat Conditions		

Other Factors

--	--

**Requirement 5****Initial**

Working with your counselor, select and carry out one project that will influence the numbers of one or more mammals.

What project did you and your counselor do?

What mammals did or will your project influence?

Describe what types of influences your project had or will have on the mammals.

**Merit badge worksheets will not be accepted at the Council Office in place of the official Merit Badge Application Card. Those who do not complete all the requirements should take their partially completed merit badge worksheet and their official application card to their local merit badge counselors for completion.**

You've registered for one of these Hornaday merit badges at this PowWow and are invited to attend a special session immediately following each day of PowWow classes on how to make your Eagle Project count for a Hornaday Badge, as well. Please join us in CB 256, just off of the registration area, from 12:30-1:30 pm.