



MAMMAL STUDY MERIT BADGE WORK SHEET (BYU/UVU PowWow)

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.

Requirement Instructions*

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

*All requirements may be subject to change by the merit badge counselor based on time constraints at the PowWow session. Please listen to all instructions given by the instructor and 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.

Where do mammals fit in the classification of animals?

Classify three mammals from phylum through species:

Mammal:	Classification:
Mammal:	Classification:
Mammal:	Classification:

Requirement 3

Initial

You have been given three options for this requirement. Select and complete ONE of them.

Option A:

Spend three hours in each of two different kinds of natural habitats or at different elevations.

Describe each of the two areas or elevations that you spent three hours in, and list the different mammal species and individual members by sight or sign in each area.

Area/Elevation 1:

Mammals identified:

Area/Elevation 2:

Mammals identified:

Why don't all mammals 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 3¹/₂ football fields).

Describe the 25-acre area that you used for this requirement.

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.

What mammal have you chosen to write your report about?

What is the natural habitat of this mammal?

What does this mammal eat?

How does it reproduce?

How did this mammal live before man affected its habitat?

How is it dependent upon plants or other animals, including humans?

How are those things dependent upon this mammal?

How is this mammal helpful or harmful to man?

Requirement 4

Initial

You have been given seven options for this requirement. Select and complete ONE of them.

Option A:

Under the guidance of a nature center or natural history museum, make two study skins of rats or mice. Give a brief summary of how you made each skin and a description of each.

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 light conditions, film used, exposure, and other factors, including notes on the activities of the pictured animals. Show your photos to your counselor or attach copies to this work sheet.

Mammal:

Light Conditions:

Film Used:

Exposure:

Other:

Activities of Mammal:

Mammal:

Light Conditions:

Film Used:

Exposure:

Other:

Activities of Mammal:

Option C:

On another sheet of paper, write a life history of a native game mammal that lives in your area, covering the points outlined in requirement 3. List your sources for this information below and attach a copy of the life history to this work sheet.

Option D:

Make and bait a tracking pit.

Tell how and where you made your baited tracking pit.

List the mammals and other animals that came to the bait.

Option E:

Visit a natural history museum. Museum Visited:

Date:

Report on how specimens are prepared and cataloged.
What are the purposes of museums?

Option F:

On another piece of paper write a report of 500 words on a book you've read about a mammal species. Attach a copy of your report to this work sheet.

Option G:

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

Beginning Stage: *Soil*

Stage 1:

Stage 2:

Stage 3:

Stage 4:

Mammal:

Beginning Stage: *Soil*

Stage 1:

Stage 2:

Stage 3:

Stage 4:

Mammal:

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.