

The Creature From Planet X

While exploring Planet X your team of scientists has discovered some living creatures. You are able to stay on the planet safely and observe the creatures for some time. Since this is a large planet with many diverse habitats, you have each been assigned to study one particular creature and the way it has adapted to its surroundings and the other creatures that share its environment.

After a period of time you return to Earth to present your findings to a scientific convention. News of your discovery has already filtered home and interest is very high.

Your report is due for peer review by the Science Bureau and it is to be in poster format. To provide all the necessary information, each member has been asked to include the following in their report:

A. Written descriptions of the creatures:

Environment - this shall include mention of the following items:

- Climate i.e. temperature, amount and type of precipitation etc.
- Landscape/Topography i.e. rolling hills, flat, mountainous etc.
- Vegetation i.e. Trees, grassland etc.

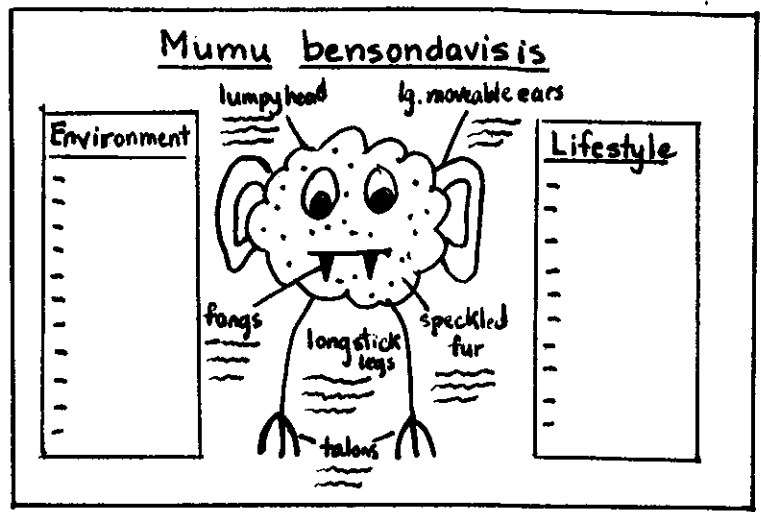
Lifestyle - this shall include mention of the following items:

- Where the creature makes its home. i.e. burrow, treetop, cave etc.
- How it obtains food. i.e. producer, consumer, decomposer?
- What it eats.
- Social behavior. i.e. groups, solitary, pairs, mating and parenting behaviour
- When it is active. i.e. diurnal, nocturnal, other
- Other behaviours (predator-prey, protection mechanisms etc.)

B. Illustration of creature

- Must include a minimum of 7 structural/behavioral adaptations that make your creature well suited to its habitat. These adaptations must be clearly labeled with a short description underneath. At least 3 of the adaptations must be to the senses discussed in class. Others may include special adaptations for: obtaining food, avoiding predators, surviving the elements, movement, attracting a mate or communicating with others.
- Be neatly drawn, outlined and coloured.
- Be given a scientific name that includes the name(s) of its discoverer(s). For example, Mumu bensonDavisis. This will be prominently displayed as your poster title.

Suggestion for poster layout:



Where to look for information:

- Notes/handouts given in class
- Books/encyclopedias
- Internet or intranet (some specific sites have been book marked for you)

Evaluation

Daily Accomplishment Lists/ Goals <ul style="list-style-type: none"> • completed daily • accomplishments sufficient for time given • realistic goal set for the following day 	/5
Description of Environment <ul style="list-style-type: none"> • includes all items listed • descriptions accurate to assigned habitat 	/10
Description of Lifestyle <ul style="list-style-type: none"> • includes all items listed • descriptions accurate to assigned habitat 	/10
Illustration of Creature <ul style="list-style-type: none"> • properly labeled • outlined and coloured neatly • given a scientific name/title 	/15
Adaptations <ul style="list-style-type: none"> • minimum of 7 • suited to environment • described fully 	/20
TOTAL	/60

Timeline

You will be given _____ days to complete this project. To help keep you on task and on target with your deadline, you will be asked to submit an itemized list of your accomplishments at the end of each work period and to set a goal for the following day. This will be included in your final evaluation.

Due Date: _____

Daily Accomplishment List/Goal Setting

DAY 1	This is what I have accomplished today: My goal for tomorrow is:
DAY 2	This is what I have accomplished today: My goal for tomorrow is:
DAY 3	This is what I have accomplished today: My goal for tomorrow is:
DAY 4	This is what I have accomplished today: My goal for tomorrow is:

HABITATS

#1 ARCTIC TUNDRA

#2 RAINFOREST CANOPY

#3 DESERT

#4 DEEP SEA

#5 INTERTIDAL/SEASHORE/ESTUARY

#6 MEADOW/GRASSLAND/SAVANNA

#7 CAVE

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