

Library Resources: <https://bluevalleyk12.libguides.com/adaptivecreatures>

Introduction: Life can be found almost anywhere on Earth, from the poles to the equator, from the bottom of the sea to miles above the surface, and from dry valleys to groundwater miles below the Earth's surface. Over the last 3.7 billion years or so, life on the Earth has adapted to almost every environment imaginable.

Question: Do other beings exist in the universe? Well, here is your chance to imagine what creatures on other planets might look like.

Objective: In this project, you will be assigned a planet to research. The information you find will be used to design a creature that would survive on your planet. Before you begin, you will need some background information about your planet.

Part 1 (Research)

- You will be assigned a planet to research.
- Research questions will be provided in class. It is your responsibility to bring the research questions to class/library every day.
- Mrs. Harvey will review a variety of resources you can use to complete your research questions.
- Part 1: Research questions are **due Thursday, August 28 AT THE END OF CLASS.**

Helpful Notes for Part 1

- **Diameter:** the distance through the center of an object from one side to the other.
 - If the radius is provided instead of diameter, then multiply the radius by 2 to get the diameter.
- Write the name of the source you used to answer each question.

Part 2 (Design/Construct Creature)

You will apply your research findings to design a creature that would survive the elements on your planet. For example, if the planet is very cold, what adaptations would your creature need to withstand the cold? You may design your creature on paper or construct it by bringing in household items such as aluminum foil, cotton balls, craft sticks, etc. Your design must be original, creative, and colorful.

- **Make sure to label your creature**
 - Each adaptation directly relates back to your planet research questions
- **Give your creature a name**
- Part 2 is due **Wednesday, September 3 AT THE END OF CLASS**

Part 3 (Planet Creature Summary)

Space Creature Write Up

Be sure to include the following in your write up/explanation of your creature and how it can live on your planet.

Name of Planet:

Creature Name:

Important Planet Information (temperatures, gases, weather, physical features):

How would your creature adapt to the Planet features listed above? (Do they fly if your planet is made of gas?):

- Part 3 is due **Friday, September 5 by THE END OF CLASS.**

Planet Creature Project Rubric

Part 1: Planet Research

Part 2: Design & Construct Planet Creature

Part 3: Planet Creature Summary

Part 1: Research questions (7 points)

- All research questions were answered correctly using one of the approved resources provided by Mrs. Harvey.

Part 1: On task during research (2 point)

Part 2: Design a creature that would survive the elements found on your planet. (3 points)

- Your design must be original, creative and colorful.

Part 2: Label your creatures adaptations. (2 point)

Part 2: On task during construction of creature (2 point)

Part 3: Summary of your planet research including the different adaptations. (5 points)



Total Points: 21