Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Extreme Environment Project**

1. Choose an extreme environment from the following list:

caves deserts deep seas extreme cold

1. Give a specific place in that extreme environment:

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1. Find out the following for your extreme environment:

* Where is your extreme environment on the globe? Include a world map that shows where your extreme environment is.
* Why is it considered an extreme environment (lack of light, lack of oxygen, extreme pressure, extreme radiation, etc.)?
* What are the obstacles that may stop or slow down exploration of your extreme environment?
* What are some of the technologies that are used to explore your extreme environment (tools, instruments, etc.)? Explain two of them.
* What are some plants and animals that survive in your extreme environment? List five of each.

1. From your list of plants and animals, choose one and do the following:

* Print out a picture of your plant or animal.
* Explain how your plant or animal is able to get the space, food, water, and other resources it needs in your extreme environment.
* Describe how big an area your plant or animal needs in your extreme environment.
* Explain what adaptations your plant or animal has that help them survive in your extreme environment.

1. How do you want to show your understanding?
   * Diorama
   * Tri-fold board
   * Power point
   * Model
   * Your idea \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Learning outcomes:

* Extreme environments exist on Earth
* Natural selection through adaptive radiation
* Survival needs and interactions between organisms and the environment