Build Your Own Planet  
Final Project: Poster Presentation  

Your mission is nearing completion. You and your crewmates have explored your planet and discovered new life forms. It is now time to return to Earth and show the people of Earth what you have learned about your planet and its life forms.

Your crew will make a poster summarizing all you have discovered about your planet and the life on it. All the crew members will work together on it. The group commander will make sure that all the required information is included. The guidelines for making the poster are below.

Before you begin work on your poster, meet with your crew members and share your life forms. Show your drawing and share the information you recorded on your Planning Sheet. Then decide how your life forms interact with each other. Your life form must interact with at least one of the other life forms discovered by your crew members. All the life forms in your group must interact with each other somehow, although not every life form has to interact directly with every other one. You might start the discussion by brainstorming with your crew members all the different ways that different species can interact.

**Poster Instructions**

- All students must contribute to the group poster.
- Each student should draw/write about their own life form.
- Groups should collaborate on the interactions of their life forms.
- Groups can decide for themselves who will do what in describing their planet. It is the group commander’s responsibility to see to it that the planet is described adequately.
- Posters may contain writing, drawings, designs or anything else you think will make it look good and tell people about your mission. You may write/draw directly on the poster, or you can work on paper and attach the paper to the poster. You may cut things out of magazines, newspapers, etc., or print things from the computer and attach them to the poster.
- Posters may include samples collected from your planet, (rocks, life forms, artifacts, whatever), but these are not required.
- The communication officer will briefly present your crew’s poster to the rest of the class. He or she should use the Guidelines for Communication Officers to plan the presentation.
Your poster must include the following information about your crew:

- Name of crew;
- Name of individual crew members.

Your poster must include all of the following information about your planet:

- Name of planet;
- Mass of nearest star, its age and its estimated life cycle;
- Planet’s distance from nearest star;
- Type of surface and albedo;
- Type of atmosphere and greenhouse effect;
- Average surface temperature;
- Location of liquid water.

Your poster must include some of the following information about your planet:

- Temperature range and factors affecting the temperature range (rate of rotation, thickness of atmosphere, tilt, etc.);
- Other objects in the planetary system, their impact on your planet;
- Interesting surface features, including effects of weathering, erosion, mountain building, glaciers, etc.;
- Composition of atmosphere (is it breathable?) and/or oceans;
- Interior of planet;
- Plate tectonics, and/or volcanism;
- Orbit, rotation;
- Seasons, hot regions, cold regions;
- Impact of life on the planet and/or threats to life on your planet;
- Economic potential of your planet – gold, oil, food, valuable minerals, etc.;
- Any other interesting discoveries about your planet that you want to share.

Your poster must include all of the following information about your life form:

- Name of life form;
- Who discovered it;
- Where it was found, type of environment;
- Drawing of it;
- Size, weight;
- How your life form interacts with the life forms your crew mates have discovered.
Your poster must include some of the following information about your life forms:
- Diet, fuel source;
- Predators/prey;
- Unusual behaviors;
- Reproductive cycle;
- Life cycle, life stages;
- Relative abundance (are they common or rare?);
- Impact on environment, or position in food chain;
- Age of species, existence of fossil record;
- Number of genders, gender differences in appearance or behavior;
- Any other interesting discoveries about your life form that you want to share.

Your poster will be evaluated on the information presented (60% of total) and the quality of its appearance (40%). The information should reflect some of the things you have learned over the course of this unit. You should include all the required information and some of the extra information. It should be neat, easy to read with correct spelling and grammar, well designed and pleasing to look at. Your group can also earn 5 points extra credit if all group members participate and cooperate with each other.
Presentations should be brief. When you present your poster to the class you should present the information listed below. If you want, you may write notes on this form to use when you present.

Presentations: Required Information

Names of Crew Members: _____________________, ______________________, ___________________, ______________________, _____________________

Average Surface Temperature of Planet: _____________ ° C / F

Location of liquid water on the planet: __________________________________

Other information about your planet that you think is important: ____________
__________________________________________________________________
__________________________________________________________________

Names of life forms discovered: ___________________, ____________________,
_____________________, ______________________, _____________________

How these life forms interact: __________________________________________
__________________________________________________________________
__________________________________________________________________
__________________________________________________________________

Other information about your life forms that you think is important: ___________
__________________________________________________________________
__________________________________________________________________