

[1 - Use the attached pictures to answer the questions](#)

How are the pictures similar? How are the pictures different

- [Warm Up](#)

[2 - Open and Closed Systems](#)

Use the following steps to complete this part of the assignment:

- 1 - open a google doc
- 2 - Type the title on top "Open and Closed Systems"
- 3 - In your own words, give a definition or example of a closed system.
- 4 - Do a google search and insert an image showing a closed system (remember to cite where you found the image)
- 5 - In your own words, give a definition or example of an open system.
- 6 - Do a google search and insert an image showing an open system. (remember to cite where you found the image)
- 7 - Attach the document to this assignment and turn it in.

[3 - Elements in Earth's Systems - Notebook Page 18](#)

You learned about the basics of elements and how they work, now you need to identify the main elements found in each of the main Earth systems.

Complete the following steps:

- 1 - Walk up to the table in the front of the room and get the paper titled "Composition of Earth's Systems"
- 2 - Use the hints on the worksheet to identify the most common elements found in each of the main systems.
- 3 - When completed with the worksheet, please glue it onto page 18 of your notebook.
- 4 - Mark the assignment as done

Hint - Use notebook page 12 to help you with symbols and names

[4 - Reflection Directions - Notebook Page 19](#)

- 1- Divide page 19 into 4 equal parts
- 2 - Take each data table completed from page 18 and create a graph to display the results.
- 3 - Make sure to include:
 - a. Title
 - b. Label the Elements

- c. Label the percentage of each of the common element
4. Assign a color for each of the graphs created (that is 4 different colors of your choice)
5. Mark the assignment as done

5 - Earth Systems - Branches of Science Poster

Students will build an informative poster for one of the branches of science. The branches include:

- I - Biosphere - ecology, biology, zoology, botany
- II - Geosphere - geology, geophysics, chemistry, volcanology, seismology
- III - Hydrosphere - oceanography, hydrology, glaciology
- IV - Atmosphere - meteorology, climatology

1. Pick up a blank piece of paper from the front table.
2. Chose one of the branches (ecology, oceanography, etc)
3. Create a Poster displaying the following information:
 - a. Title of the chosen branch
 - b. Give a definition OR description of the branch
 - c. Draw one picture to represent the branch
 - d. Give the name of a famous scientists from the branch AND describe why this person is famous.
 - e. Describe how this branch relates to 2 other systems. (how does it interact with them
 - f. Describe the technology used within the branch. (example...astronomers use telescopes)
 - g. Describe a current event related to the branch
4. You may chose to complete this by yourself OR with 1 other person.
5. Turn the poster into the turn in basket.
6. Mark this assignment as done.

Hint - make sure your name(s) is on the poster