

**Carbon Cycle Infographic**

Piktochart or PicCollage

Student Handout

You will use the Piktochart or PicCollage website to prepare a poster that visually explains your part of the Carbon Cycle.

You will be assigned one topic: atmosphere; photosynthesis; cellular respiration; run off; decay & decomposition; coal, oil & gas; burning fossil fuels; vegetation; wildfires; deep ocean circulation; dissolved carbon, and ocean acidification.

Your poster must include: (\* adjusted for some students)

* a “catchy” title
* a short description of that part of the cycle
* at least one visual element (photo, graph, diagram, etc.) that shows carbon in your part of the carbon cycle
* \* a short description of the human impact on your part of the carbon cycle - 1 bad way humans are affecting that segment and 1 good way that humans are making things better
* \* the different forms that carbon is found in your part of the carbon cycle
* at least one “fun fact” you found out about your part of the carbon cycle
* \* a link to an online news event that discusses your part of the carbon cycle

\* Be sure you cite ALL of your resources on your poster.

Creativity is required but you MUST make sure that each element of your poster is scientifically sound!

Your topic is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If you choose to use Piktochart: view these tutorials to help you get started

<http://support.piktochart.com/hc/en-us/sections/200528804-Video-Tutorials>

To start your Piktochart, go to:

<http://piktochart.com/>  and click "Start for free”

Select INFOGRAPHIC as shown below:



Select “CREATE YOUR OWN INFOGRAPHIC” AND THEN GIVE IT A NAME

Begin creating your project, including these requirements:

* a “catchy” title
* a short description of that part of the cycle
* at least one visual element (photo, graph, diagram, etc.) that shows carbon in your part of the carbon cycle
* a short description of the human impact on your part of the carbon cycle - 2 bad ways humans are affecting that segment and 1 good way that humans are making things better
* the different forms that carbon is found in your part of the carbon cycle
* at least one “fun fact” you found out about your part of the carbon cycle
* a link to an online news event that discusses your part of the carbon cycle

**Carbon Cycle Research Project Grading Rubric:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CATEGORY | 4 | 3 | 2 | 1 |
| Title | The title is clearly identified and stated. | The title is identified, but is stated in a somewhat unclear manner. | The title is partially identified, and is stated in a somewhat unclear manner. | The title is erroneous or irrelevant. |
| Photo or Graphic or Diagram | Images are creative and clear and concise. Images are labeled neatly and accurately. | Images are included and are labeled neatly and accurately. | Images are included and are labeled. | Needed image are missing OR are missing important labels. |
| Carbon Activity within your topic | Description describes the information learned and some future applications to real life situations. | Description describes the information learned and a possible application to a real life situation. | Description describes the information learned. | No Description is written. |
| Human Impact | Description describes the information learned and some future applications to real life situations. | Description describes the information learned and a possible application to a real life situation. | Description describes the information learned. | No Description is written. |
| Fun Fact | Professional looking and accurate representation of the information.  | Accurate representation of the information.  | Information may be incomplete or in accurately represented.  | Information is inaccurate or missing. |
| Current or Past News Event | Clearly describes current or past news event including data and dates. | Describes current or past news event. | Poorly Describes current or past news event . | No Description is written. |
| Background Sources/ Academic Honesty | Several reputable background sources were used and cited correctly. Material is translated into student's own words. | A few reputable background sources are used and cited correctly. Material is translated into student's own words. | A few background sources are used and cited correctly, but some are not reputable sources. Material is translated into student's own words. | Material is directly copied rather than put into students own words and/or background sources are cited incorrectly. |

**Research Graphic Organizer**

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

**My Carbon Cycle topic is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| “catchy” title of my project |  |
| description of my part of the cycle |  |
| photograph, picture, diagram or graph showing my part of the cycle |  |
| how humans impact my part of the cycle in a **bad** way |  |
| how humans impact my part of the cycle in a **good** way |  |
| the forms that carbon can be found in |  |
| “fun fact” about my part of the cycle |  |
| a link to online news, to know more about my part of the cycle |  |