

# Environmental Chemistry Infographic

You will be making an infographic (links are included below) about an Environmental Chemistry Issue.

**DUE DATE: May 22, 2020 by 7am.**

You must choose a topic to investigate. You can work alone or with a partner from any of my classes. You can choose your partner and your topic, but must be approved by me! If another person has your topic, during your period first, you may need to choose another topic.

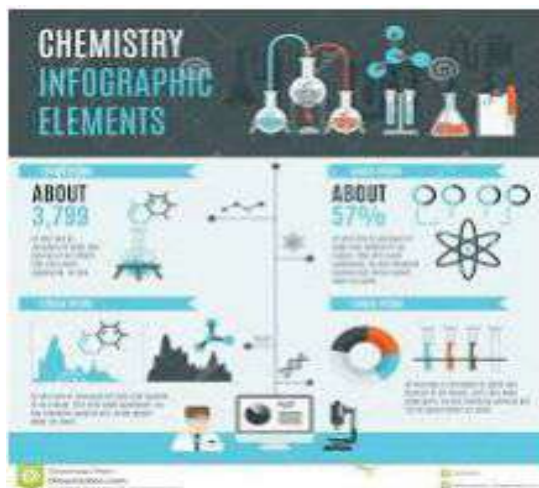
Once you have your topic, you will:

1. Conduct research on your topic using at least 5 online resources; **at least one must be .gov or .org**
2. Take daily notes on your topic to be checked and uploaded to Google Classroom.
3. Create an infographic. An infographic is a visual image such as a chart or diagram used to represent information or data that you create online.
4. Share your infographic with the class on Google Classroom..
5. Attach your file to the google classroom post. You may need to download your infographic as a .jpg or .png and then save it to google drive.

“A good infographic is worth a thousand words.”

**Your infographic must contain: (see rubric below)**

1. Main Idea (what the Environmental Issue is)
  - a. cause
  - b. effect
  - c. solutions
  - d. chemistry behind your topic
  - e. examples /where/who
2. At least 4 Graphics/Diagrams/Models
3. At least 1 graph
4. Correct Grammar and Writing Mechanics
5. Clean and Neat Layout
6. Accurate Scientific Content
7. Citations/Sources of information
8. Your own work; No Plagiarism



**How to make a great infographic**

1. Pick a chemistry topic from the list below that you are interested in and feel is important to learn more about.
2. Put together your infographic using the free sites (choose one):
  - a. [www.piktochart.com](http://www.piktochart.com)
  - b. [www.infogr.am](http://www.infogr.am)
  - c. [www.easel.ly](http://www.easel.ly)
  - d. [www.venngage.com](http://www.venngage.com) (I liked this one best)
  - e. [www.canva.com](http://www.canva.com) (last year's students liked this one best)
3. Websites that contain some infographic samples:
  - a. [www.pinterest.com/acschemclubs/great-chemistry-infographics](http://www.pinterest.com/acschemclubs/great-chemistry-infographics)
  - b. <http://www.compoundchem.com/infographics/>
  - c. <http://www.slideshare.net/BernardMarr/what-is-an-infographic>



## Environmental Chemistry Infographic Topics

- Ocean Acidification
- Air Pollution
- Water Pollution
- Land/Soil Pollution
- Climate Change
- Plastics (single use)
- Microplastics
- Nuclear waste management
- Over-exploitation of natural resources
- Great Pacific Garbage Patch
- Recycle, reduce, reuse trash
- Fossil fuels/Energy (use, resources)
- Renewable energy resources (types, use)
- Flint Water Crisis
- Clean Water for all
- Ozone depletion
- Fracking
- Global Warming
- Climate refugees, climate justice
- Loss of glaciers, loss of land, sea-level rising
- Other Chemistry Environmental Issue of your choice (pre-approval required)

## Information about the chosen topic on your infographic must include:

What the environmental issue is

Cause of the environmental issue

Effect of the issue

Possible solutions to the environmental problems

Chemistry involved in this topic; be specific: chemical compounds, chemical equations, chemical reactions that produce or contribute to the particular environmental issue.

Where is this environmental issue a problem

Who is affected by this environmental issue

Examples of the environmental issue

## Infographic rubric

Topic:

Name:



Category	5	4	3	1	Your score	Comments
<b>Use of Class Time</b>	Used time well. Focused on getting the project done without distracting others. ALL STAMPED NOTES	Used time well. Mostly focused on getting the project done without distracting others. MOST STAMPED NOTES	Used some time well. Some focus on getting project done but occasionally distracted others. SOME STAMPED NOTES	Did not use class time to focus on the project OR often distracted others. MINIMAL STAMPED NOTES		
<b>Design/layout</b>	The design/layout is neat, clear, and visually appealing.	Is attractive in terms of design, layout and neatness.	Is acceptably attractive though it may be a bit messy.	Is distractingly messy, unattractive, or very poorly designed.		
<b>Main Idea ( x2)</b>	The issue and messages of the infographic are clear and easily understood.	Issue and main ideas are clear but can be misunderstood.	Issue is given but main ideas are unclear or lacking.	Issue and/or main ideas are absent or very unclear.		
<b>Content - Accuracy (weight x2)</b>	Has cause, effect, solutions, example, and chemistry correct.	Has 4 of the following: cause, effect, solutions, example, and chemistry correct.	Has at least 3 of the following: cause, effect, solutions, example, and chemistry correct.	Has 2 or fewer of the following: cause, effect, solutions, example, and chemistry correct.		
<b>Graphics</b>	Color, shape, size, and arrangement of graphics contribute to the overall infographic. At least 4 graphics and 1 graph	Color, shape, size, and arrangement are eye catching and contribute to the overall infographic mostly. Has 3 graphics and 1 graph	Color, shape, size, and arrangement are present but do not add. Has 2 graphics and/or 1 graph	Color, shape, size, and arrangement are distracting or misleading. Has less than 2 graphics and/or graph		
<b>Writing Mechanics</b>	Capitalization, punctuation, and spelling are correct throughout.	There is 1 error in capitalization, punctuation, or spelling.	There are 2 errors in capitalization, punctuation, or spelling.	More than 2 errors in capitalization, punctuation, or spelling.		
<b>Presentation</b>	Speaking was outstanding; loud, clear, and used eye contact all the time.	Speaking was loud, clear, and used eye contact most of the time.	Speaking was loud, clear, and used eye contact some of the time.	Speaking was not loud enough and was hard to understand.		
<b>Peer Review</b>	Peers thought it was excellent.	Peers thought it was very good.	Peers thought it was good.	Peers thought it was okay.		
<b>Image and info Credits (0 or 1 pt)</b>				Has at least 3 sources listed..		
<b>Total</b>					/50	