

Appendix 4: Environment and Sustainable Development Virtual Poster Assignment

Environmental Awareness Project

The health of our environment is increasingly a concern. The goal of this project is to develop an awareness campaign to inform students on the environmental issues relating to the safe disposal of old electronic equipment and increase our awareness of consumerism and the scarcity of natural resources.

Your task is to choose a material that is used in electronic components and explain its advantages, disadvantages, and daily uses by creating a Google Slide poster. You will work cooperatively in your working groups. Your poster should be catchy, concise, and informative for your target audience. In your research, you must answer the following questions:

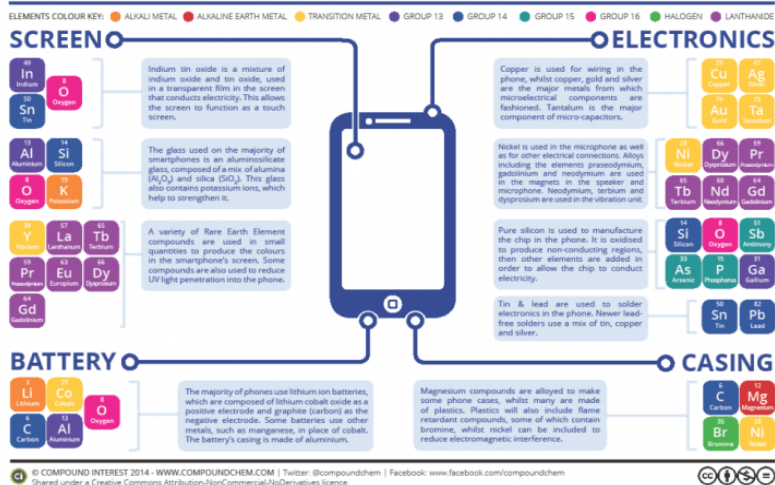
- 1) *Name the raw material used to make the electronic component that you are researching. What is the source of the material? Is the material renewable? Explain your answer.*
- 2) *What are the advantages of this material? What are the disadvantages? The advantages and disadvantages can focus on the environment, accessibility, cost, properties, or ethics/social justice.*
- 3) *Is using the material good for the environment? Explain your answer.*
- 4) *Write 3 recommendations on how to extract and dispose of the material in an environmentally sustainable way. For each of your recommendations, give an example of how it could be applied.*

*You must include a list of your sources in a Bibliography.

On your **poster** you must include:

- The raw material used to make the electronic component.
- The advantages and disadvantages of the material related to its extraction and disposal.
- 3 “Green Recommendations” that your target audience could apply in their every- day life.
- At least **3** different visual aspects (image, graph, table, sample etc.)

ELEMENTS OF A SMARTPHONE



Brunning, A., 2014. *The chemical elements of a smartphone*. [online] Compound Interest. Available at: <https://www.compoundchem.com/2014/02/19/the-chemical-elements-of-a-smartphone> [Accessed 21 October 2020]

Rubric

6 points	<u>2 marks</u> - The raw materials used to make the electronic component are listed. - The source of the raw material is identified (environmental and geographical). - The raw material is categorized as renewable or non-renewable. - Evidence of relevant research.
	<u>2 marks</u> - Three advantages of the material are identified. - Three disadvantages of the material are identified. - The environmental or human impact related to creating and disposing the material is explained. - Evidence of relevant research.
	<u>2 marks</u> - Clear and relevant recommendations specific to the type of material. Useful examples of applying a “green mind”. - Evidence of relevant research.
4 points	- Organization - Creativity - Relevance of Information - Citation formatting