

Environmental Science (Mrs. Franklin) Students

Environmental Science 4 Weeks March 23 to April 16 2020

Answer questions on your own paper. Make sure to number each answer correctly. Write your name, date, and class period in the top right corner of your answer page. You may write as many answers on one page that will fit front and back.

ENV.3 Students will discuss the direct and indirect impacts of certain types of human activities on the Earth's climate.

Week 1

1. Select 1 human activity that you do every day. Choose if it has a direct impact or an indirect impact on the Earth's climate. If it has a negative effect, write how you can turn it into a positive impact. Create a mini-poster on your paper to raise awareness to your findings.

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Week 2

ENV.3.1 Use a model to describe cycling of carbon through the ocean, atmosphere, soil, and biosphere and how increases in carbon dioxide concentrations have resulted in atmospheric and climate changes.

2. Utilize the internet and Illustrate with a model how the cycling of carbon through the ocean, atmosphere, soil, and biosphere and how increases in carbon dioxide concentrations have resulted in atmospheric and climate changes.

3. ENV.3.2 Interpret data and climate models to predict how global and regional climate change can affect Earth's systems (e.g., precipitation, temperature, impacts on sea level, global ice volumes, and atmosphere and ocean composition).

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Week 3

4. ENV.3.3 Use satellite imagery and other resources to analyze changes in biomes over time (e.g., glacial retreat, deforestation, desertification) and propose strategies to reduce the impact of human activities leading to these issues.

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Week 4

5. ENV.3.4 Enrichment: Determine mathematically an individual's impact on the environment (carbon footprint, water usage, landfill contribution) and develop a plan to reduce personal contribution.