

2040 - Exploring Climate Change



Name

Class

Student Worksheet

Thought-starter: What is the link between human activity and climate change?

Understanding The Factors Contributing To Climate Change

1. Working in your groups, you will now investigate one of the following factors contributing to climate change, based on the number your group has been assigned (i.e. if you have been assigned number 1, you will focus on energy, etc.):

1. Energy
2. Food
3. Transport

Each group needs to formulate at least five questions that could be answered through online research. Record these below:

The factor we are formulating questions for:

a.

b.

c.

d.

e.

As a class, select one question that you think is the most interesting.

2. You will now work in your groups to think of an experiment or field work you could do to better understand the factor you researched. To begin this process, work in your group to make a question (or aim) that could be answered through fieldwork or an experiment, then develop a plan around how this research could be conducted and what resources/equipment would be required to conduct this research.

Each group needs to:

- Develop a hypothesis
- Suggest resources that would be required
- Develop a plan for research (what would happen and why this approach has been chosen)
- Think about how much data they would need for this research
- Consider confounding variables and explain how these could be controlled.

Use the Experiment Proposal Template provided by your teacher to record your ideas.

Reflection

Work independently to think about this lesson and complete the following sentence stems:

I used to think...

But now I think...

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