

Concept Cartoons®

Environmental Issues

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Produced by Millgate House Education in partnership with Practical Action

Concept Cartoons® Environmental Issues

Concept Cartoons® are cartoon-style drawings that put forward a range of viewpoints about a particular situation. They are designed to intrigue, provoke discussion and stimulate thinking. Concept Cartoons make concepts problematic and provide a stimulus for developing ideas further.

Each Concept Cartoon can be used to stimulate a free standing discussion and enquiry. Alternatively, the Concept Cartoons can be linked together to form a larger topic or to create a project related to environmental issues.

Some Concept Cartoons may look as if they are too easy for some learners, but their deceptive simplicity can stimulate discussion about more challenging concepts and can often reveal some basic misunderstandings. Learners can create their own Concept Cartoons as a way of assessing and reviewing their current understanding.

Concept Cartoons do not always have a single right answer.

Each Concept Cartoon has support material, including ideas for follow up and some possible answers.

- * Concept Cartoons are normally used to promote a group discussion.
- * Ask learners to discuss why each character in the Concept Cartoon might hold their particular idea. Do they have any other ideas that might go in the blank speech bubble?
- * Avoid being judgemental when learners are sharing their ideas. The uncertainty created by Concept Cartoons is productive.
- * Provide an opportunity for learners to explore, challenge or consolidate the ideas raised through the Concept Cartoon(s).
- * Provide time for learners to share their ideas.
- * Have they changed their minds and why?

To learn more about Concept Cartoons and how they are used, visit:



www.millgatehouse.co.uk



Twitter: @MillgateHouseEd

When printing out the Concept Cartoons please select the landscape setting on your printer options

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3. Climate Change

Climate change is a natural event, so we can't do anything about it

Climate change will give us warmer weather, which is a good thing

Climate change is making weather more extreme

Only some countries are affected by climate change—we should be ok

?

What do YOU think?

Follow up

Use a science textbook or the internet to find the difference between weather and climate and how the climate is changing. An amusing video clip about this from the Armstrong & Miller Show is on the internet. Use more than one source to get a balance of views. Look for evidence such as glaciers, rainfall, drought and distribution of plants and animals. Find out about the climate where you live, and whether the climate seems to have altered over the past 50 years. Use the internet to find weather records over many years. What difference will it make to our lives if the climate is changing?

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Ideas



3. Climate Change

Concept Cartoons® Environmental Issues

Ideas

Climate is different from weather. Weather describes what we experience day by day, such as temperature, rainfall, wind, etc. The climate describes weather patterns over several decades. There is good evidence that the Earth's climate is changing. Scientists think this is probably caused by CO₂ in the atmosphere increasing, which is increasing the Earth's average temperature. Because of this the climate is becoming more changeable, with more extreme weather events happening. Some countries now get more water than they used to, causing flooding so people lose their homes. Other places get less water, causing drought so crops don't grow. If the climate is changing, what other effects is it causing and why? Create an interactive display of questions and information based on what you find out. Try Practical Action's 'Beat the Flood' challenge to explore how families can prepare for the effects of flooding by designing and making your own flood-proof home www.practicalaction.org/beattheflood

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