

World Water Day - 22nd March - Assessment Resource Banks

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Submitted by jonathan on Wed, 03/11/2015 - 15:30

World Water Day (March 22)

UNESCO's World Water Day is on the 22nd of March. The theme this year is "water for sustainable development". There are seven aspects - health, nature, urbanization, industry, energy, food, and equality.

For more information about World Water Day go to <https://www.worldwaterday.org/>

Compassion UK shares 30 striking water photos about access to water around the world. <https://www.compassionuk.org/blogs/world-water-day-water-photos/>

Science ARB resources provide support for exploring some of these aspects.

Nature

Four resources on the Assessment Resource Banks (ARB) focus on freshwater ecosystems.

What lives in our waterways?

Students complete drawings of things found in or near a waterway, and describe relationships between them.

Waterways tag

Students play a tag game that simulates the relationships between elements within a waterway, and discuss how different scenarios impact on the populations living there.

Interdependence loopy

Play a card game to join two sentence fragments to complete a sentence. Assessment focus: a) relationships of elements in a waterway, and b) science vocabulary.

Waterways relationships web game

Students play a card game to construct a waterways relationships web.

Reflecting the importance of water in our lives, there are many resources that focus on the water cycle, including climate change. Here is a selection (there are many more).

Investigating the water cycle

Match the parts of a water cycle to the parts represented in a model of the water cycle and compare how they are the same and different. Assessment focus: interpreting a model.

The water cycle

Complete a diagram of part of the water cycle and answer a question about rain. Assessment focus: Question a) – the water cycle and conventions of diagrams; question b) – evaporation of a solution.

Where did the water go? and Where did the water go? II

Answer questions about what happens to water in open and closed containers and compare to the water cycle. Assessment focus: evaporation, the water cycle.

Earth's water reserves

Students use a diagram to answer questions about water reserves, the main difference between lake and sea water, and to explain how water in the ocean could end up falling as snow in the mountains.

From snow to sea

Students are provided with a diagram that shows some ways water moves in a water cycle. Students are required to explain what is happening in three places and explain how water that falls as snow might get to the sea.

From cloud to snow

Students write a story about the water cycle using a given sequence of events that take place.

Water facts

For this task students are provided with three pie graphs on water. Students are required to interpret these to answer four short answer questions.

Glaciers and global warming

Students formulate questions about glaciers and climate change to show awareness that informed opinions are based on inter-related aspects of evidence rather than individual instances.

What do you know about the greenhouse effect?

Students review their knowledge of greenhouse gases and the effects of global warming. They identify areas where they are unsure, as well as things they know.

Read about *Putting the Nature of Science into the water cycle*

Energy

The following resource focuses on a renewable energy source.

Wind farms

Using statements from four people decide and justify whether or not each person supports wind farms. Identify which person has a misconception about wind farms, giving a reason.

Assessment focus: identifying different perspectives.

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To register for your own teacher account go to arbs.nzcer.org.nz/register

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The ARB team

arbs@nzcer.org.nz

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