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STUDENT HANDOUTS READING COMPREHENSION

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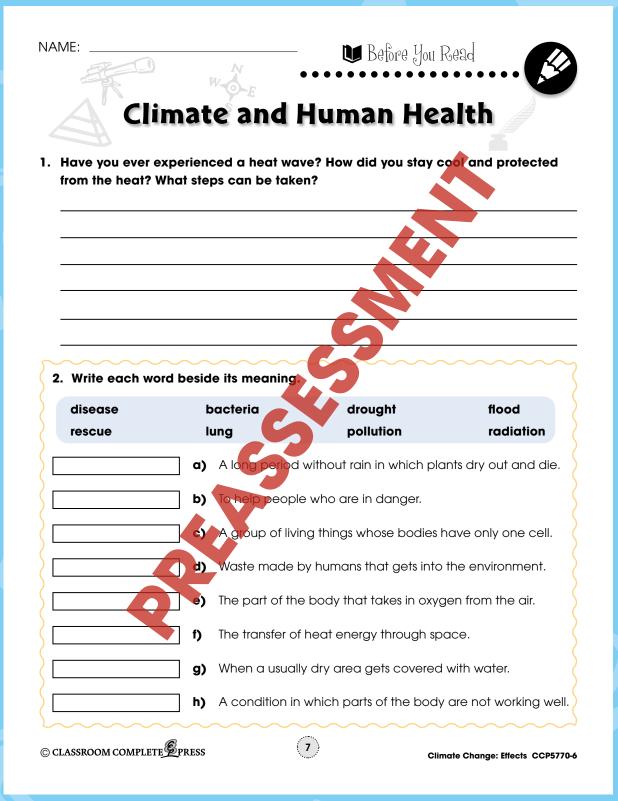
6 BONUS Activity Pages! Additional worksheets for your students

- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC5770
- Enter pass code CC5770D for Activity Pages









Reading PassaGe **Climate and Human Health**

NAME:

limate change can have many dangerous effects on the health of people around the world. Warmer weather, flooding, drought, increased storms, and rising sea level all carry their own threats to human health.

Many diseases are caused by bacteria, fungi and viruses. Many of these are also carried from place to place by other living things, like mosquitoes. Living things have a certain range of temperature that helps their survival. Temperatures are rising around the world. This allows organisms that cause or carry diseases to move them to live. For example, diseases like n spread to more people as the world becomes warmer.



into areas that were once too cold for alaria that are found only in warm areas could



Wetter conditions cause diseases to spread. There is a lot of standing water after a flood or storm. This water commonly contains bacteria that can cause intestinal diseases. eople can be trapped in and around flood waters for many days. After a severe storm, p Rescue workers also are in contact with flood waters for long periods of time. The bacteria in the water can enfer people's bodies and cause diseases. Lack of clean drinking water after severe storms can make diseases more difficult to manage. In extreme cases, many more people can die from intestinal diseases after a severe storm than during the storm itself.

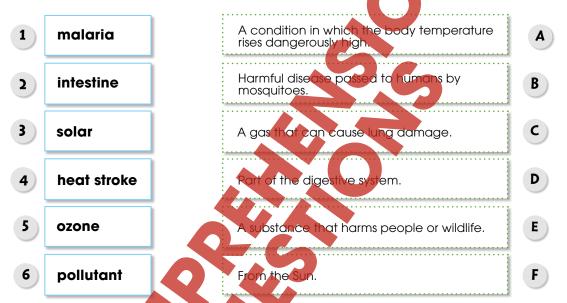
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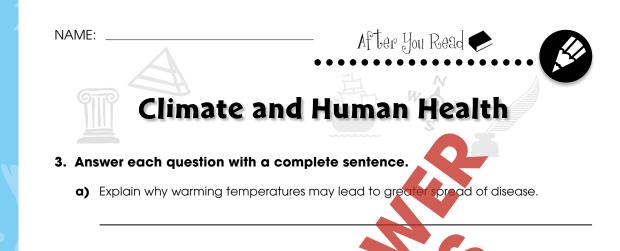
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Climate Change: Effects CCP5770-6



1. Match the term on the left to its definition on the right. You may use a dictionary to help you.





2. In the table below, name and describe four major risks to human health due to climate change.

Health Risk	Description
6	

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Climate Change: Effects CCP5770-6

b) Explain how the increase in global temperatures can lead to an increase in harmful air pollution.

Research

4. Where are the smoggiest areas in the world?

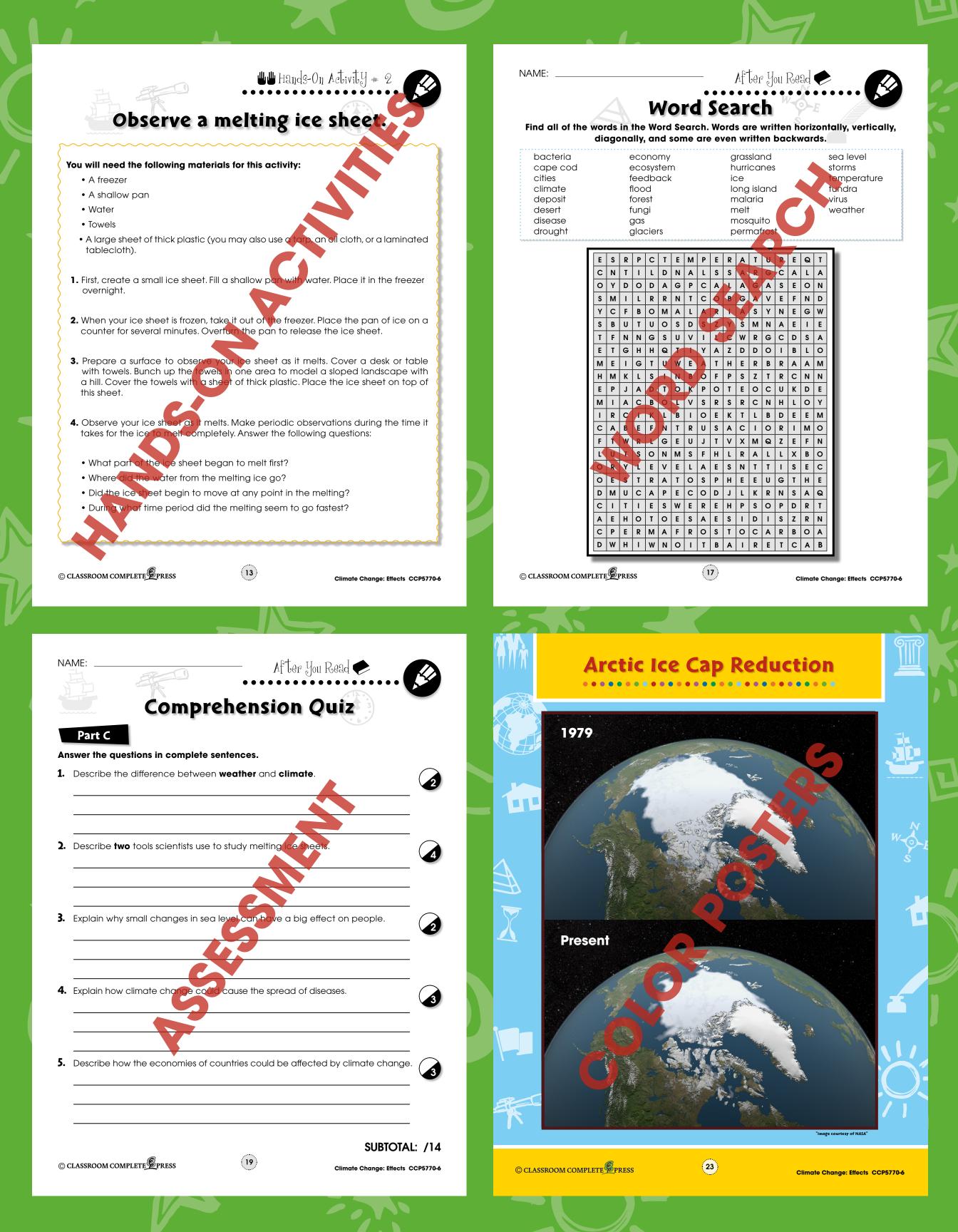
Working as a class, divide a world map into regions. You may want to use continents as your regions. Break into smaller groups. Assign each group to research a region. Use the library or Internet resources. Find out about areas in your region that have problems with smog. Mark these areas on the map using push pins or sticky notes. Prepare a short statement about the problems that each area faces.

Take turns reading your statements until all of the areas on the map have been covered. Have a class discussion. What are some ways in which people or technology can change in order to put less ozone into the atmosphere?

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After You Read 🌪

- 3. Answer each question with a complete sentence.
 - **a)** Explain why warming temperatures may lead to greater spread of disease.

b) Explain how the increase in global temperatures can lead to an increase in harmful air pollution.

Research

NAME:

Where are the smoggiest areas in the world?

Working as a class, divide a world map into regions. You may want to use continents as your regions. Break into smaller groups. Assign each group to research a region. Use the library or Internet resources. Find out about areas in your region that have problems with smog. Mark these areas on the map using push pins or sticky notes. Prepare a short statement about the problems that each area faces.

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a) Warmer temperatures allow disease-causing organisms to survive in more areas of the world.

14. migrate

Down:

Across:

1. fossils

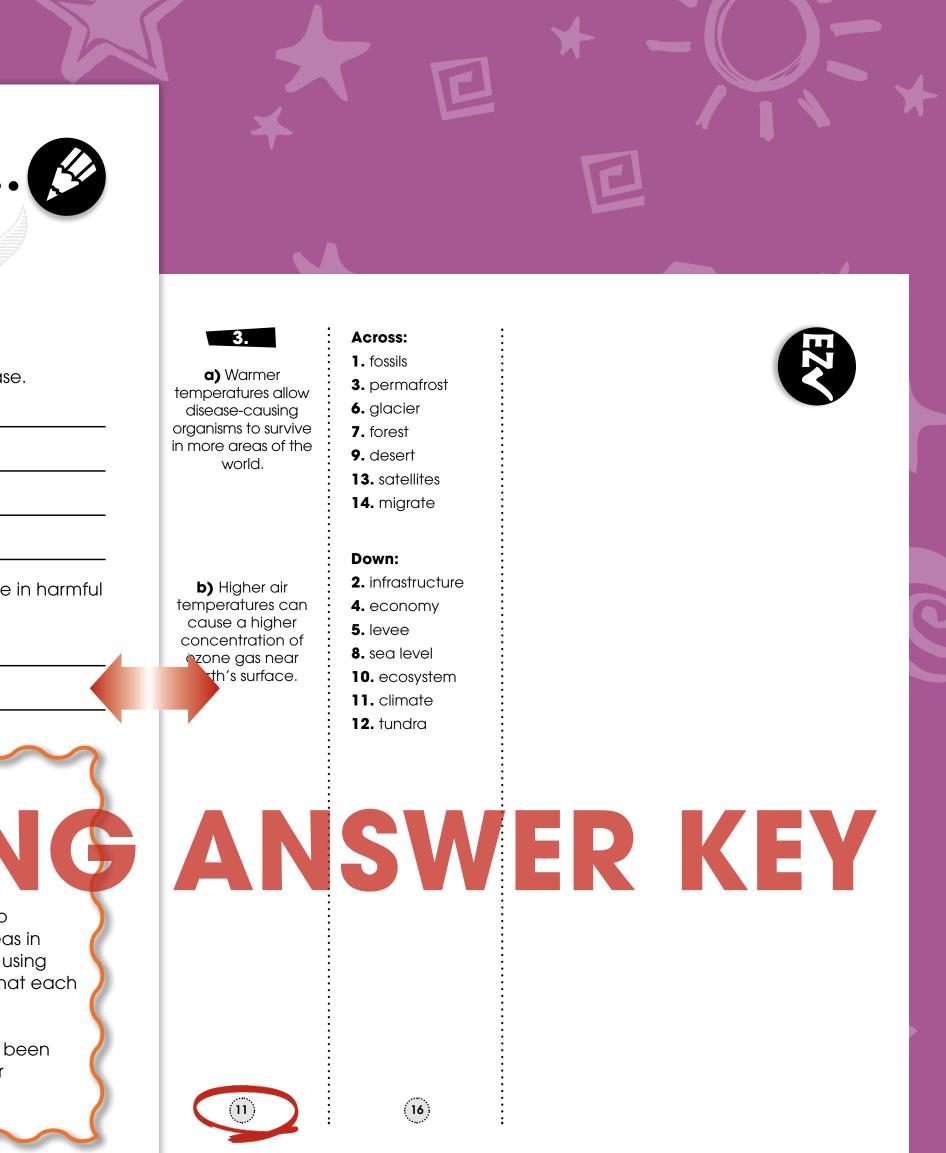
7. forest

b) Higher air temperatures can cause a higher 5. levee concentration of azone gas near

th's surface.

10. ecosystem 11. climate

12. tundra







NAME:

Climate and Human Health

limate change can have many dangerous effects on the health of people around the world. Warmer weather, flooding, drought, increased storms, and rising sea level all carry their own threats to human health.

Reading Passage

Many diseases are caused by bacteria, fungi and viruses. Many of these are also carried from place to place by other living things, like mosquitoes. Living things have a certain range of temperature that helps their survival. Temperatures are rising around the world. This allows



organisms that cause or carry diseases to move into areas that were once too cold for them to live. For example, diseases like malaria that are found only in warm areas could spread to more people as the world becomes warmer.



Name the three things that cause disease.



Wetter conditions can also cause diseases to spread. There is a lot of standing water after a flood or storm. This water commonly contains bacteria that can cause intestinal diseases. After a severe storm, people can be trapped in and around flood waters for many days. Rescue workers also are in contact with flood waters for long periods of time. The bacteria in the water can enter people's bodies and cause diseases. Lack of clean drinking water after severe storms can make diseases more difficult to manage. In extreme cases, many more people can die from intestinal diseases after a severe storm than during the storm itself.









Observe a melting ice sheet.

You will need the following materials for this activity:

- A freezer
- A shallow pan
- Water
- Towels
- A large sheet of thick plastic (you may also use a tarp, an oil cloth, or a laminated tablecloth).
- **1.** First, create a small ice sheet. Fill a shallow pan with water. Place it in the freezer overnight.
- 2. When your ice sheet is frozen, take it out of the freezer. Place the pan of ice on a counter for several minutes. Overturn the pan to release the ice sheet.
- 3. Prepare a surface to observe your ice sheet as it melts. Cover a desk or table with towels. Bunch up the towels in one area to model a sloped landscape with a hill. Cover the towels with a sheet of thick plastic. Place the ice sheet on top of this sheet.
- 4. Observe your ice sheet as it melts. Make periodic observations during the time it takes for the ice to melt completely. Answer the following questions:

- What part of the ice sheet began to melt first?
- Where did the water from the melting ice go?
- Did the ice sheet begin to move at any point in the melting?
- During what time period did the melting seem to go fastest?

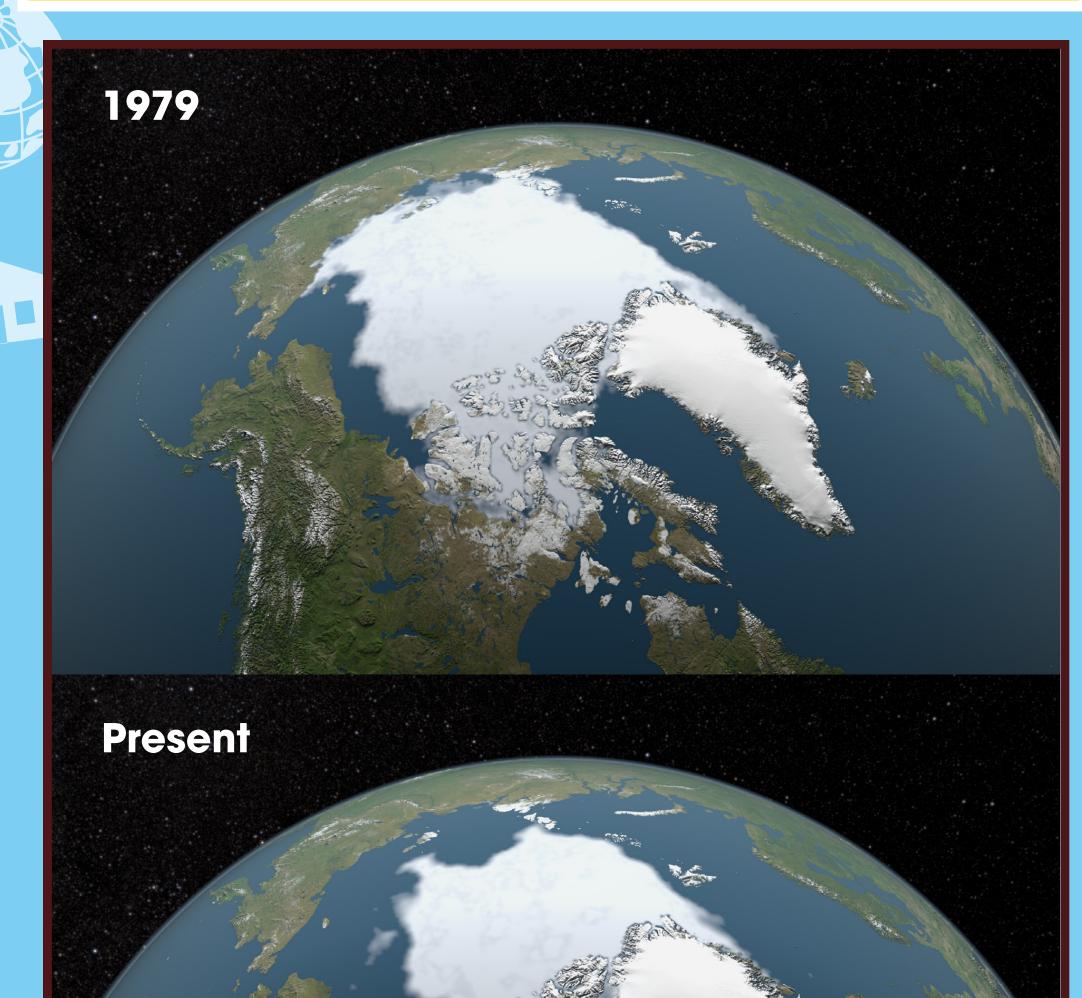






W-0-E

Arctic Ice Cap Reduction





"image courtesy of NASA"



