

SPECIAL ED

Special Ed

FOR HIGH SCHOOL

46
GOOGLE
SLIDES



Special Needs for Special Kids





This unit was created with this guy in mind. He has autism and an intellectual disability. He is a non-reader, and loves the sound of piano keys. With some support he is able to do this unit, and enjoys the challenge. He is my tester!!

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4-45	Climate Change book
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In separate files, you will find:

- Lesson plans
- Voice-recorded PowerPoint
- Directions and links to digital activities

This unit contains over 180 pages of material. I have included a detailed lesson plan to help you make the most of everything in this unit including how to add some group activities.

Climate Change Lesson Plan

Preparation

- Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Book
 - Print out, laminate, and bind
 - OR your students can listen to the pre-recorded version.
- Vocabulary cards
 - Print out a set of cards onto cardstock and laminate
 - Make one set for each student and one for the teacher to use in I Spy games
- Bingo cards
 - This unit comes with a set of Bingo cards.
 - They are in color and BW
 - Print on cardstock and laminate.
 - Suggestions for use included in unit.

Preassessment (do day 1 before starting lesson)

- Choose the form of the assessment that best fits the learning level of your students
- Give the assessment to assess what your students may already know
- I cannot emphasize enough how important this step is. If you want to see growth, this preassessment is so important!!

Teaching Tips

1. *Color Coding:* this is a really easy way to add more structure to a matching activity. Outline or color in an empty box or sorting label. Outline or color in the corresponding picture symbols the same colors. Becomes a color matching task.
 - a. For more info, read more here:
<https://specialneedsforspecialkids.org/2015/09/05/using-color-coding-for-differentiation/>
 - b. I also have a blog post on differentiating one activity 3 ways:
<https://specialneedsforspecialkids.org/2018/10/22/differentiating-1-activity-3-ways-easily-and-effectively/>

The lesson plans contain:

Overall tips for teaching
students with significant
needs

Quick Look

Day	Activity	Day	
1	<ul style="list-style-type: none">• Book• Vocab cards activity• Circle map	8	<ul style="list-style-type: none">• Book• Vocab cards activity• Reducing my carbon footprint
2	<ul style="list-style-type: none">• Book• Vocab cards activity• Sequencing activity	9	<ul style="list-style-type: none">• Book• Vocab cards activity• Writing prompt
3	<ul style="list-style-type: none">• Book• Vocab cards activity• Sequencing activity	10	<ul style="list-style-type: none">• Book• Vocabulary cut and paste• Sudoku puzzle
4	<ul style="list-style-type: none">• Book• Vocab cards activity• Cause and effect activity	11	<ul style="list-style-type: none">• Book• Vocabulary cut and paste• Word search
5	<ul style="list-style-type: none">• Book• Vocab cards activity• Cause and effect activity	12	<ul style="list-style-type: none">• Book• Vocab cards activity• Close worksheet
6	<ul style="list-style-type: none">• Book• Vocab cards activity• Label Greenhouse effect	13	<ul style="list-style-type: none">• Assessment
7	<ul style="list-style-type: none">• Book• Vocab cards activity• Sorting activity		

The lesson plans contain:

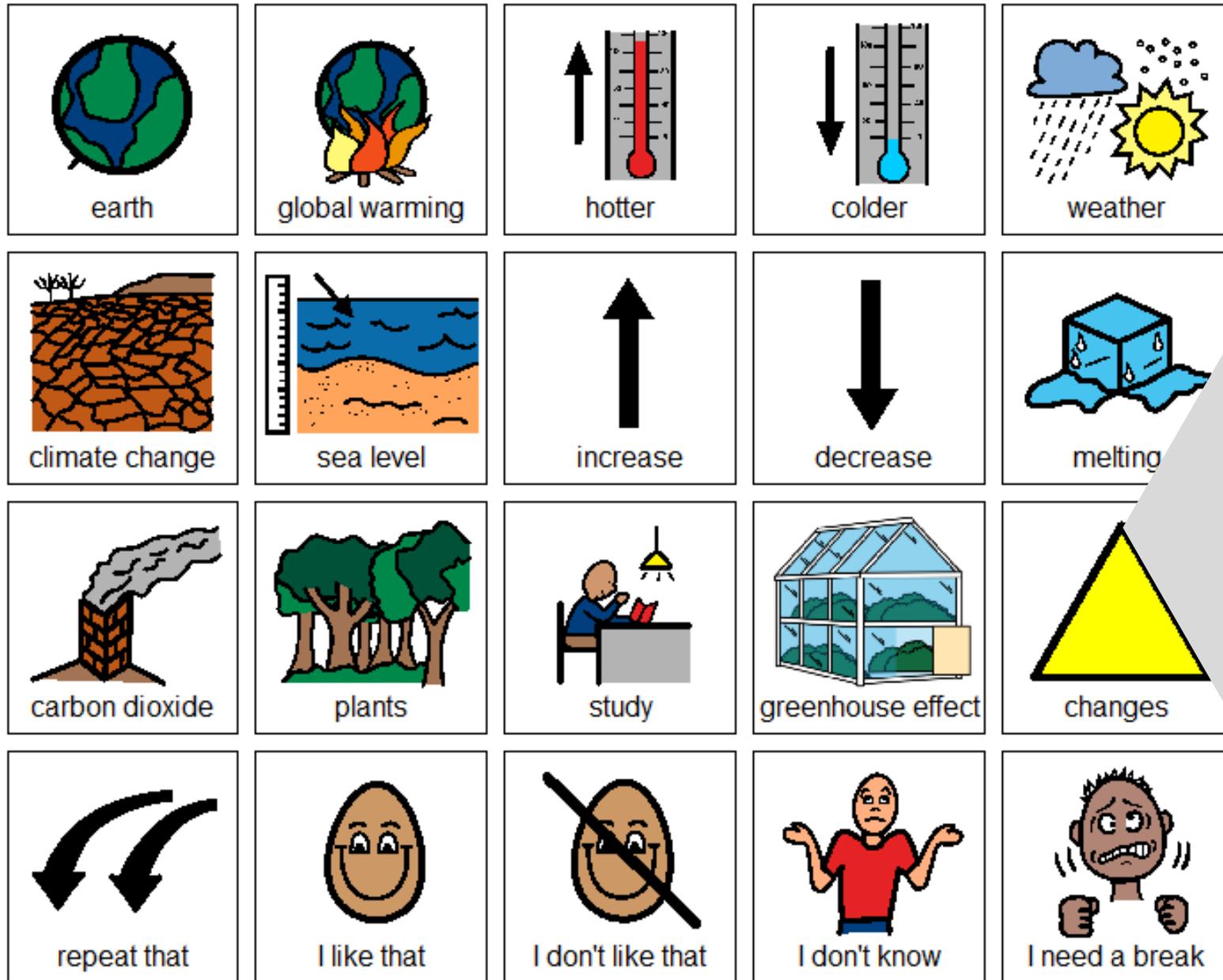
A quick look at what you will do each day

Day 6

Activity	Notes	Materials
Read or listen to a recording of the book (10 minutes)	<ul style="list-style-type: none">• Read through the story, asking lots of questions• Continue to make connections between book and vocabulary board	<ul style="list-style-type: none">• Book• Vocabulary board
Vocabulary cards Go Fish Game (10 minutes)	<ul style="list-style-type: none">• Using several completed student sets of vocabulary cards play a traditional go fish game<ul style="list-style-type: none">◦ Modify/use devices or buddies as needed for additional support	<ul style="list-style-type: none">• Vocabulary cards (student sets)•
Cause and effect activity review (5 minutes)	<ul style="list-style-type: none">• Review the cause-and-effect worksheets completed yesterday	<ul style="list-style-type: none">• Worksheets completed yesterday
Labeling activity (10 minutes)	<ul style="list-style-type: none">• Students will label the main components of the greenhouse effect• Add color-coding if needed (details on page 1 of the activity)• Make connections to the book as necessary	<ul style="list-style-type: none">• worksheets• scissors• glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their worksheets with the group using the communication method of their choice	<ul style="list-style-type: none">• Completed worksheets• Communication devices

The lesson plans contain:

Detailed instructions on how that day's lesson should run



This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with participation and engagement in group discussions.

Tips on how to use in the unit!!

How do scientists measure climate change?
There are **satellites** in space as well as other instruments here on earth that are constantly recording and reporting data.



As this ice melts, it causes the sea level to rise. It also changes the makeup of the sea water as well. None of these changes are healthy for the plants and animals that live there.



There is a book with this unit using simple text and photos. It is 42 pages and is an overview of the effects of the human population on the earth.

Both come in pdf versions as well as a voice-recorded powerpoints (so you don't have to print it out.)

fossil fuels

A natural resource on earth like natural gas, coal, oil that is limited in supply and releases carbon dioxide when burned.



carbon dioxide

Released when fossil fuels are burned and trap more heat on earth.



Greenhouse effect

The gases in the earth's atmosphere that trap heat from the sun.



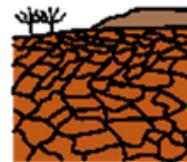
urbanization

Changing more of the country into a city where fewer plants can grow.



climate change

The change in weather patterns in a region over a long period of time.



global warming

An increase in the average temperature of the earth over time.



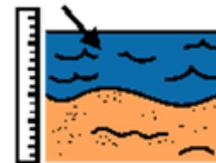
satellite

Vehicle that orbits the earth collecting and sending information about changes on the earth's surface.



sea level

How much water is in the ocean, measured by height of the water.



There are 12 vocabulary cards that come in color and black and white.

Included are suggestions for group activities to do with these each day.

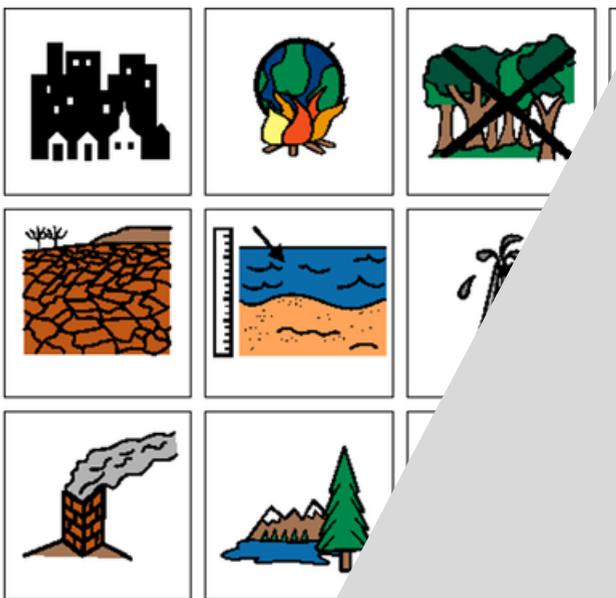
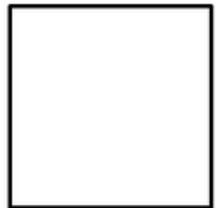
climate change

The change in weather patterns in a region over a long period of time.



global warming

An increase in the average temperature of the earth over time.



satellite

Vehicle that orbits the earth collecting and sending information about changes on the earth's surface.



habitat



sea level

How much water is in the ocean, measured by height of the water.



deforestation



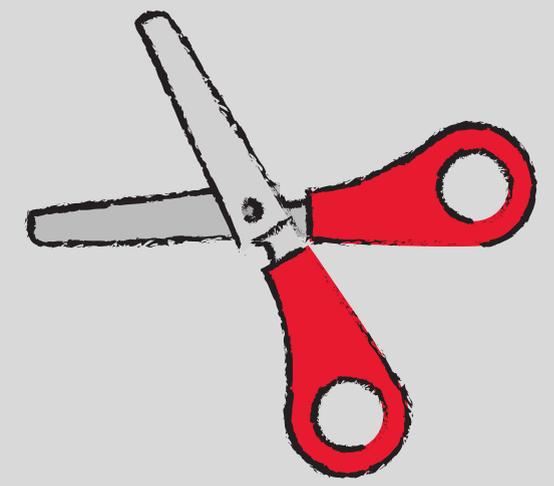
ice cap



carbon footprint



On days 10&11 there is an activity where students will match either the picture to the definition or the definition to the picture (harder).



l resource on earth like natural oil that is limited in supply and carbon dioxide when burned.

of forests; cutting down trees in large amounts.

The region

es in the earth's atmosphere trap heat from the sun.

Natural hor

Bingo cards



- Included are 10 Bingo cards in color and 10 Bingo cards in BW.
- Place the cards in page protectors or laminate for long term use.
- This is a great way to practice the new vocabulary included in this unit.
- Cut apart a set of the vocabulary cards to use as the calling cards.
- Options:
 - Show students the picture for them to match
 - Read the definition and see if students can find the matching picture
 - Work as teams
 - Vary the "winning" patterns.
 - Cover all
 - Cover corners
 - Row across or down
 - Cover the edges
 - Vary the ways to mark the card
 - Place in page protector or laminate and use dry erase markers
 - Stickers
 - Post-it notes
 - Dot markers

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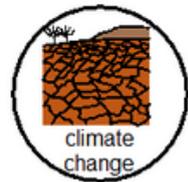
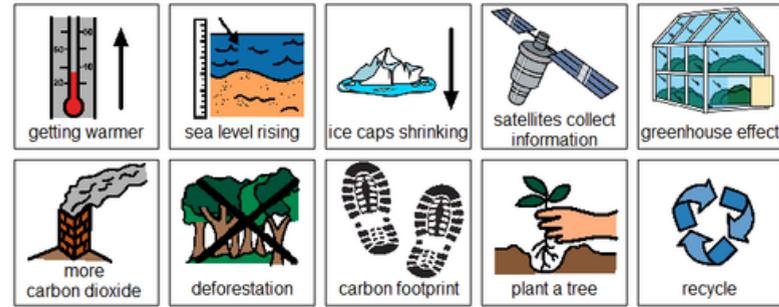
Climate Change

SAVE	THE	EARTH
 global warming	 sea level	 ice cap
 greenhouse effect	 deforestation	 fossil fuels
 carbon dioxide	 carbon footprint	 climate change

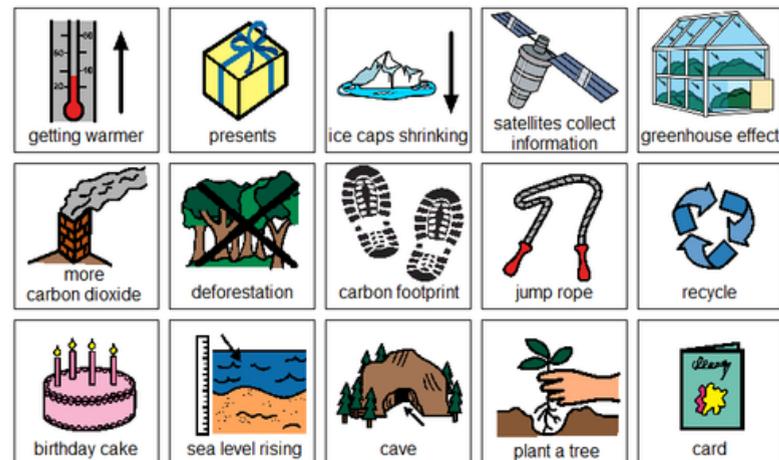
Also included in this unit are 10 BINGO cards (in color and BW) to practice the vocabulary. There are suggestions for various ways to use them.

Errorless version

Place the pictures in the circle map on previous page about climate change.



Place the pictures in the circle map on previous page **ONLY IF** you think it relates to climate change.

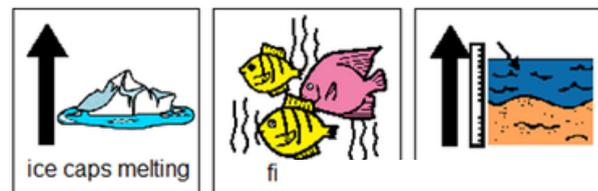
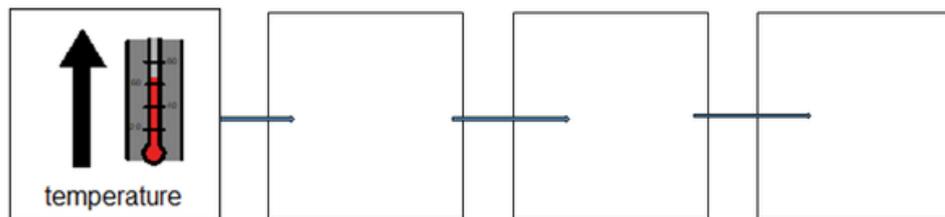


There is a circle map on the main facts about climate change.

Circle maps are a great way for students to see the concept at a glance. There are 2 versions:

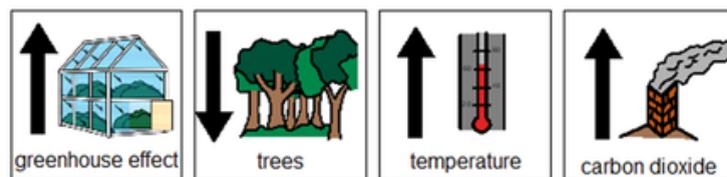
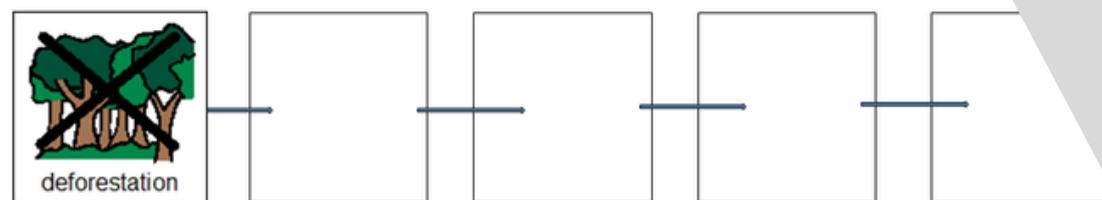
- One is errorless
- One has wrong answers mixed in students will have to set aside

Sequence what happens during climate change



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Sequence what happens during climate change

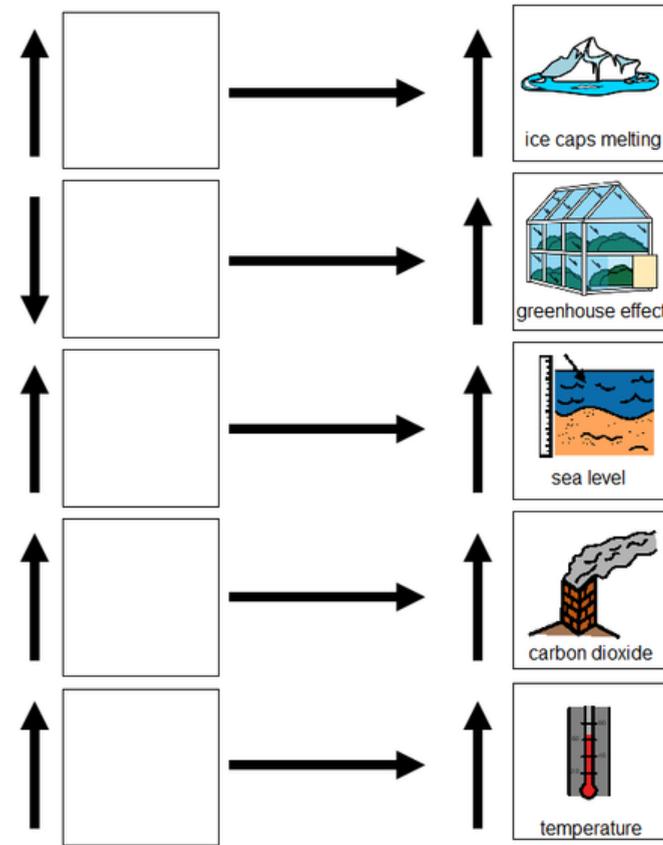


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There are 5 worksheets where students sequence what happens during climate change.

3

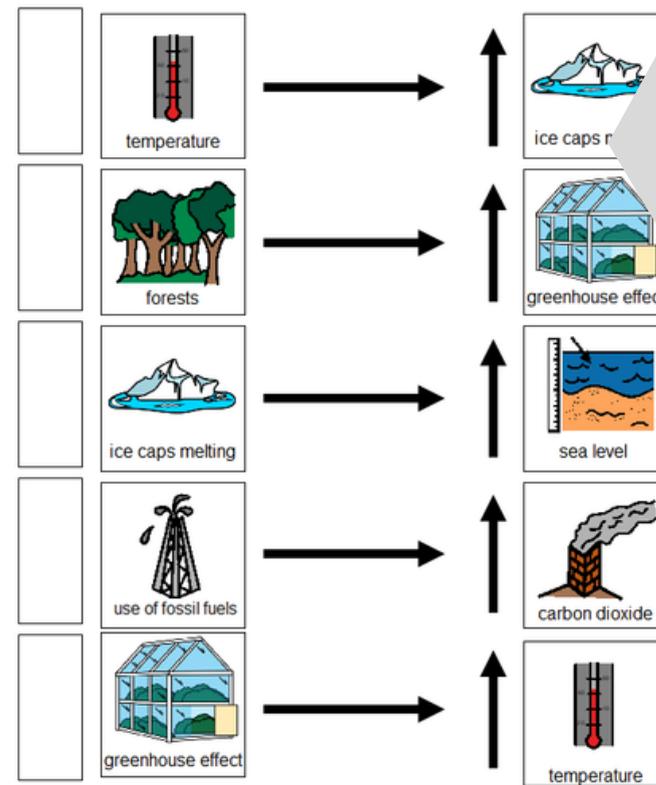
What are the causes of the following effects on the earth and environment.



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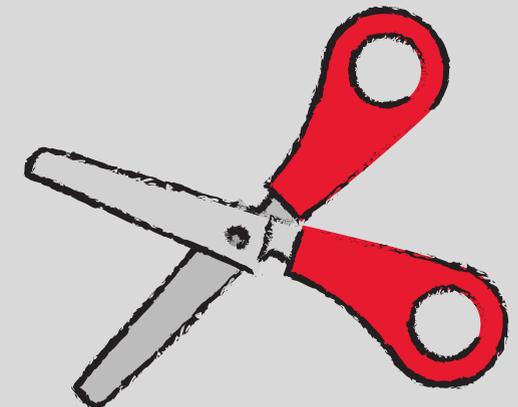
4

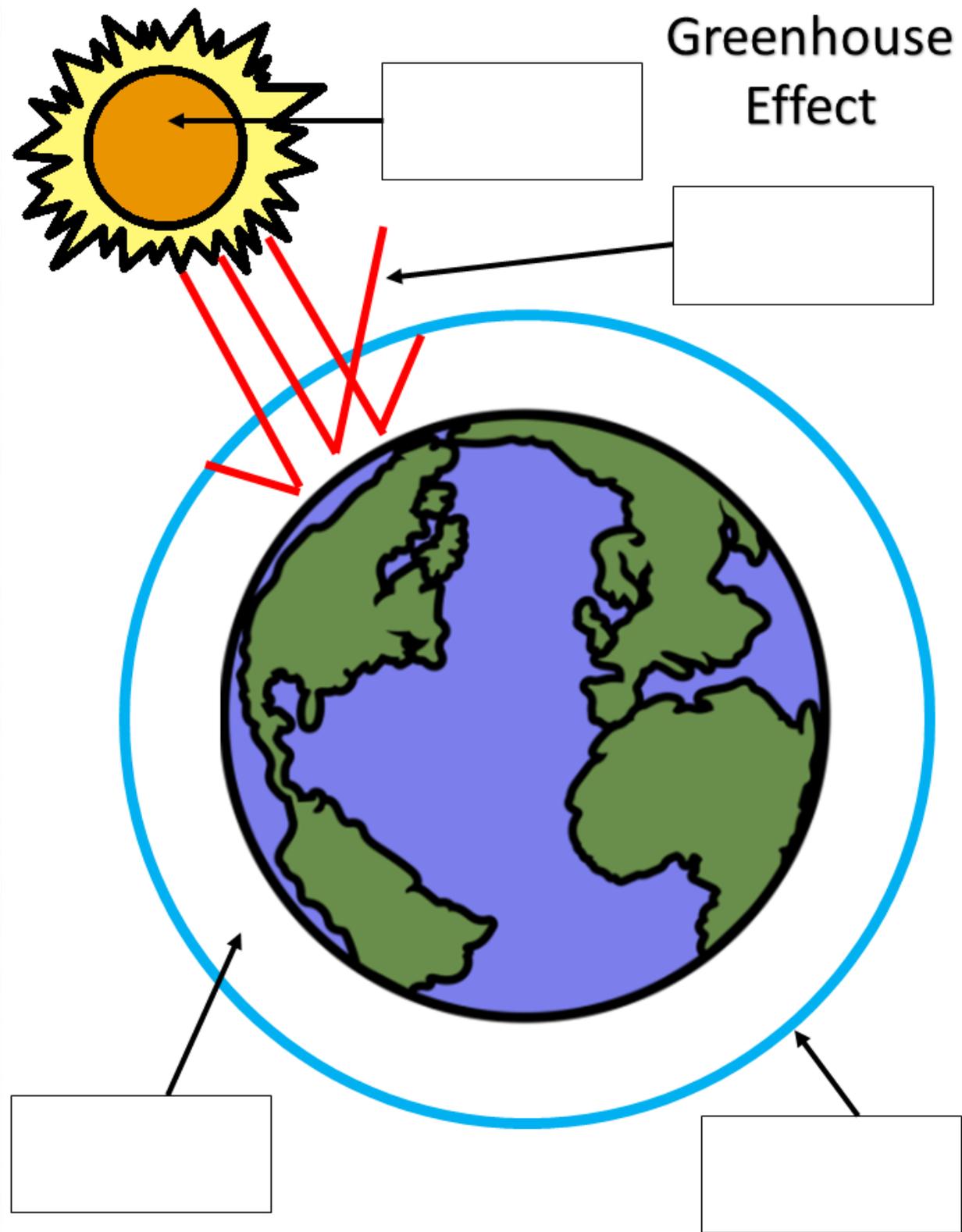
What are the effects on the earth and environment for the following. Fill in the correct arrows.



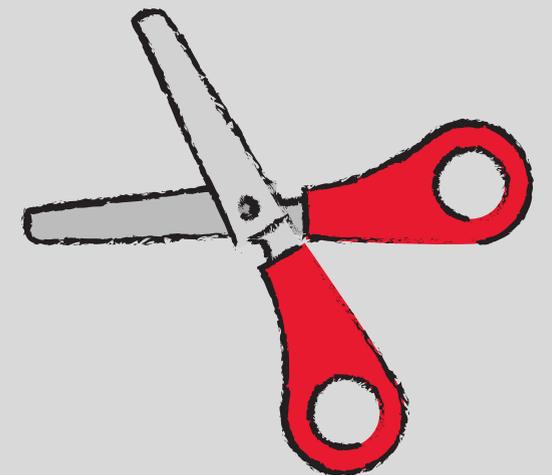
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There are cause and effect activities. In some students will identify the effect or the cause. In some activities, students decide if the cause or effect is increasing or decreasing.

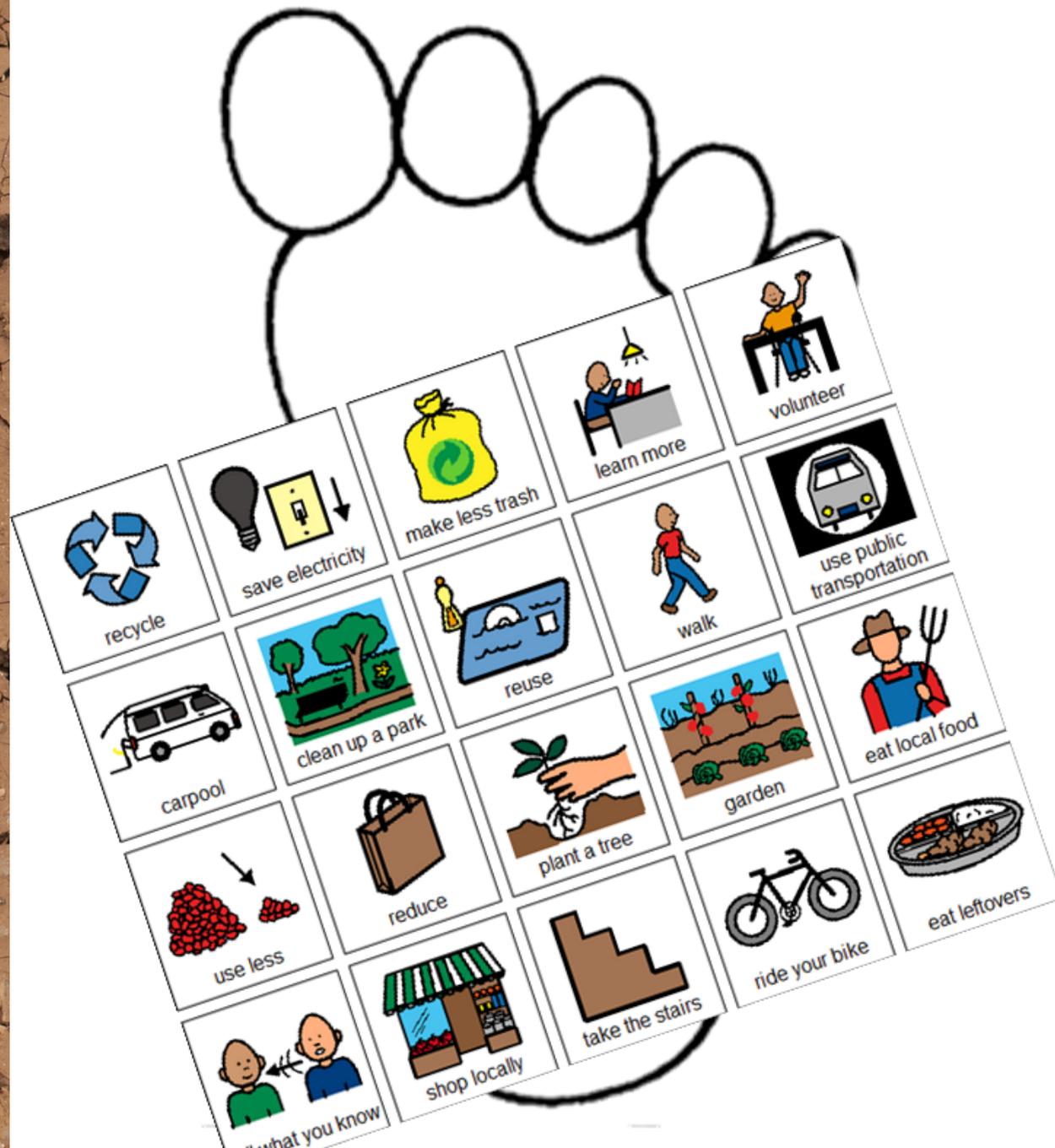




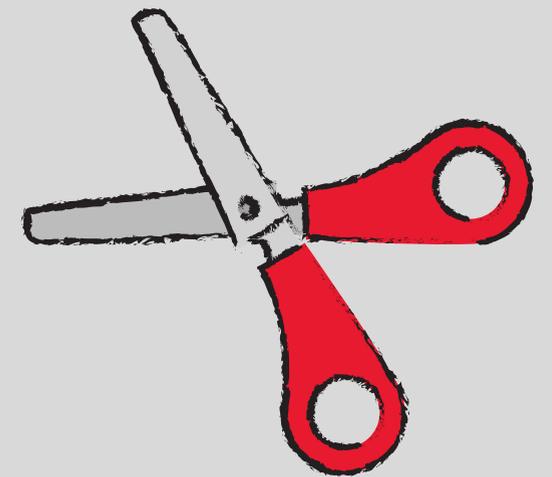
Students will label the contributing factors to the greenhouse effect.



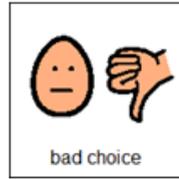
How I can reduce my carbon footprint

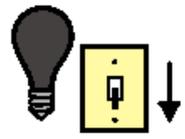
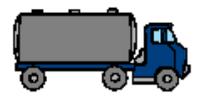
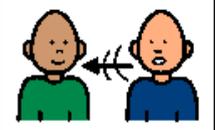


Students will create a collage showing how they plan to reduce their carbon footprint.

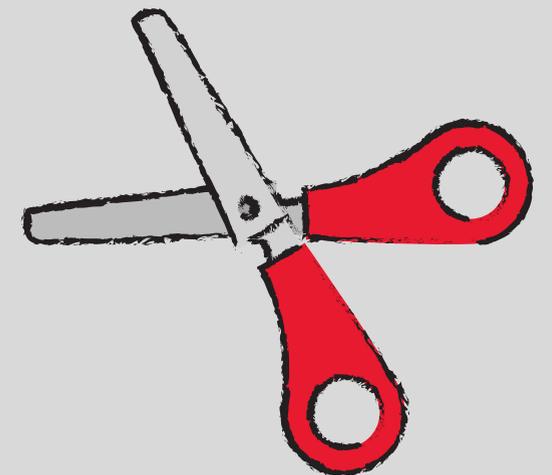


When it comes to stopping climate changes and global warming, what are some good and bad choices you can make.



 recycle	 save electricity	 tanker truck	 learn more	 chop tree
 car pool	 pollution	 reuse	 urbanization	 use public transportation
 deforestation	 reduce	 plant a tree	 factories	 plastic bags
 tell what you know	 oil wells	 burning coal	 ride your bike	 traffic

Students will sort things that do and do not contribute to climate change and global warming.



What people need to know

We all need to do to protect our earth.

can make a difference.

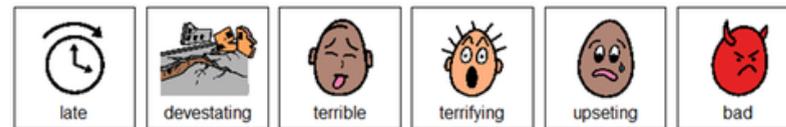
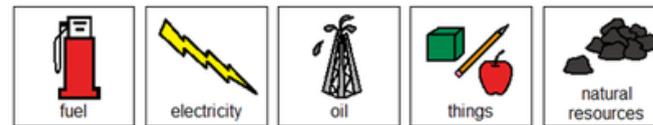
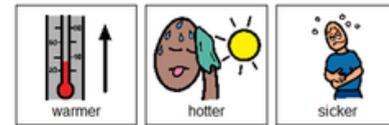
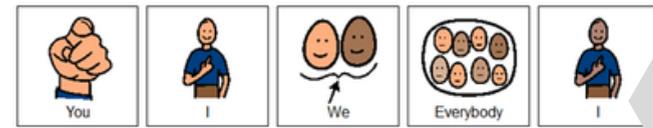
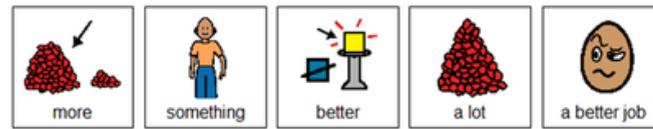


Every year the earth is getting .

One thing every person can do is .

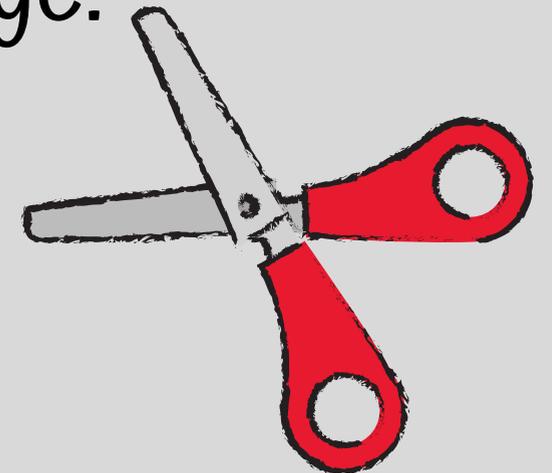
If we don't do something soon, it could be .

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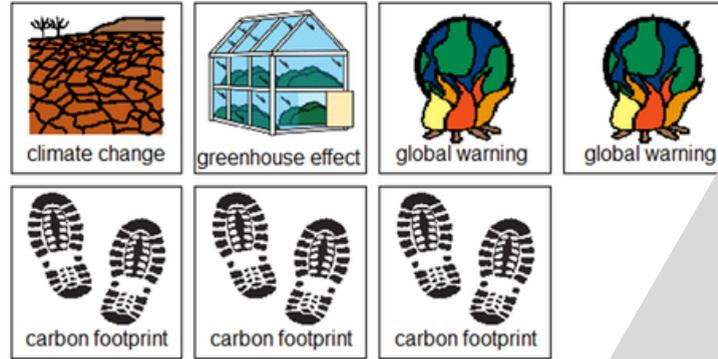
There is a writing prompt where students write a story about what people need to know about climate change.



Climate Control

 global warming	 climate change	 greenhouse effect			
 ice caps	 sea level		 global warning	 greenhouse effect	 climate change
	 ice caps		 glo wan		
		 global warning		 sea l	
 sea level					
	 carbon footprint	 ice caps	 sea level	 clim cha	

Place the following images in the empty squares on the previous page, completing the sudoku puzzle.

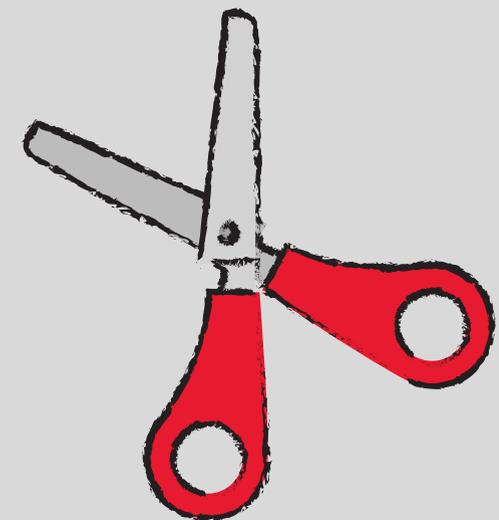


Climate Change

	 global warning	 greenhouse effect	 climate change
 greenhouse effect	 climate change		 carbon footprint
		 climate change	 greenhouse effect
			 global warning

There is a Sudoku puzzle in this unit as well. This is a great way to work with the new vocabulary!!

There are 2 versions plus answer keys.



Climate Control

S E J Q S O Y G N V J I Q E T K S M I K
 I P Q J G X F S J S N A Q I N C C D A U
 N W D A U C A R B O N F O O T P R I N T
 K E Z Z P B Q X S E A L E V E L C I L T
 R G Y Z F Z W L K P R B K B Z O Q C Q O
 F O S S I L F U E L P A G I R G X E C T
 P D U R B A N I Z A T I O N V D X C E G
 I K N R M W V X Z S B S D R E V M A Q L
 C A R B O N D I O X I D E N P T U P I V
 Z C N S A R V N N D I A K M K G O K Z M
 B S G L O B A L W A R M I N G Y O Y X I
 B L S J P F P Q N A Q I N J B I U K H C
 P I A Y D F R G S I I Y K L V M S I A B
 K C T A S V O V L S Z M L R J U N L B X
 Q R E X D E F O R E S T A T I O N U I P
 K G L G R E E N H O U S E E F F E C T N
 L R L M P D R F E X J W Z L K E I Z A P
 B O I N T U E A K B A Z S Q K E I N T F
 F T T N U F F M G G F Q S G C K D S H Q
 Z P E S W O W P B J C R O Y Y K P M M N

greenhouse effect	carbon footprint	global warming	carbon dioxide
deforestation	urbanization	fossil fuel	satellite
sea level	ice cap	habitat	

Climate Control

S E J Q S O Y G N V J I Q E T K S M I K
 I P Q J G X F S J S N A Q I N C C D A U
 N W D A U C A R B O N F O O T P R I N T
 K E Z Z P B Q X S E A L E V E L C I L T
 R G Y Z F Z W L K P R B K B Z O Q C Q O
 F O S S I L F U E L P A G I R G X E C T
 P D U R B A N I Z A T I O N V D X C E G
 I K N R M W V X Z S B S D R E V M A Q L
 C A R B O N D I O X I D E N P T U P I V
 Z C N S A R V N N D I A K M K G O K Z M
 B S G L O B A L W A R M I N G Y O Y X I
 B L S J P F P Q N A Q I N J B I U K H C
 P I A Y D F R G S I I Y K L V M S I A B
 K C T A S V O V L S Z M L R J U N L B X
 Q R E X D E F O R E S T A T I O N U I P
 K G L G R E E N H O U S E E F F E C T N
 L R L M P D R F E X J W Z L K E I Z A P
 B O I N T U E A K B A Z S Q K E I N T F
 F T T N U F F M G G F Q S G C K D S H Q
 Z P E S W O W P B J C R O Y Y K P M M N

greenhouse effect	carbon footprint	global warming	carbon dioxide
deforestation	urbanization	fossil fuel	satellite
sea level	ice cap	habitat	

There is also a word search to work with vocabulary. If your students cannot do a word search, have them highlight the circle words on the answer key.



Climate Change

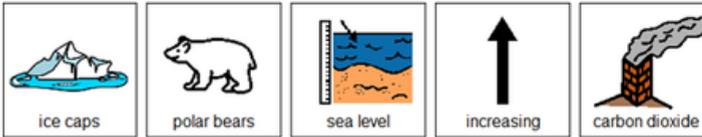
1. The average temperature here on Earth is every year.

2. is trapped in the atmosphere and keeps too much heat in.

3. As the temperatures rise, the melt.

4. As the ice caps melt, the rises.

5. The have less and less area to survive as the ice caps melt.



Climate Change

6. Scientists use to collect data and learn more about climate change.

7. Global warming is caused by the .

8. and are 2 big reasons for climate change.

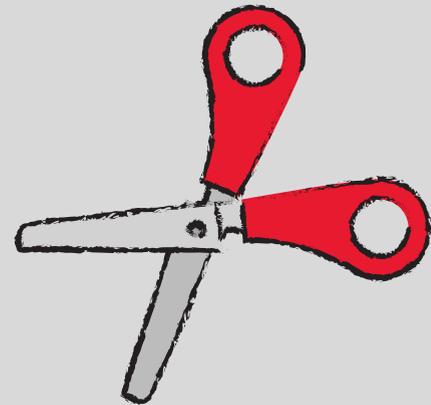
9. Plants help to use up the in the air.

10. One of the best things you can do is to .

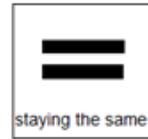
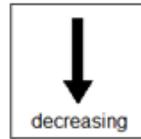
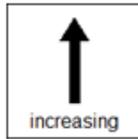


Close worksheets are a great informal assessment. There are two worksheets that cover the main points from the book.

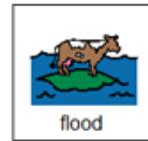
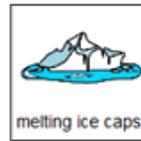
Answer key included.



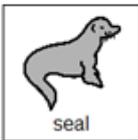
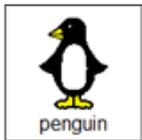
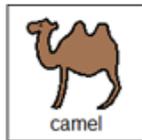
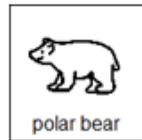
1. What is happening to the temperature here on earth?



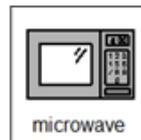
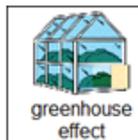
2. What is making the sea level rise?



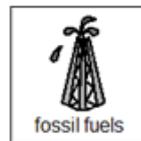
3. What animals are *directly* affected by the melting ice caps? (circle all)



4. This is when too much carbon dioxide is trapped and does not allow the heat from the sun to escape.



5. What increases the amount of carbon dioxide in our atmosphere?



FINALLY the assessment!! There are 3 versions. This version has 10 questions with 3 picture choices for each question.

Answer key included.

Print onto cardstock or mount on index cards. Cut pictures apart and show student answer choices for each question.

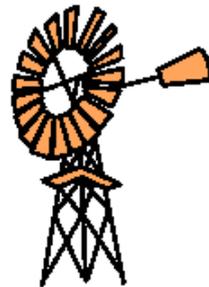
Q 5



campfire



fossil fuels

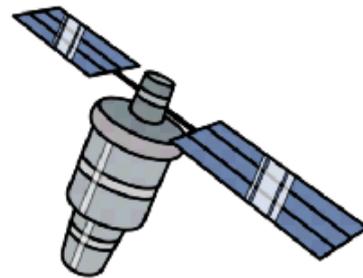


windmill

Q 6



magnifying glass



satellite



stethoscope

With this version, you cut out the answer choices and glue them on index cards. Ask the student the question, and they point to the correct answer.

7. How much carbon products each person produces is called your:
 - A. Carbon footprint
 - B. X-ray
 - C. address
8. What is one of the best things you can do to help climate change?
 - A. Litter
 - B. Relax
 - C. Plant a tree
9. What practice greatly reduces the number of trees on Earth?
 - A. Gardening
 - B. Farming
 - C. Deforestation
10. True or False. Climate change and global warming are real.
 - A. True
 - B. False
 - C. I don't know

This is your traditional multiple choice version. It can also be used as a recording sheet if your students are using the version with index cards.

Climate Change

1. The average temperature here on Earth is every year.

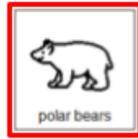
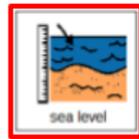
2. is trapped in the atmosphere and keeps too much heat in.

3. As the temperatures rise, the melt.

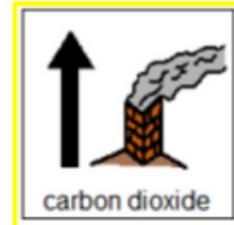
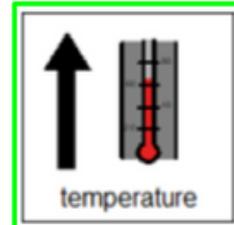
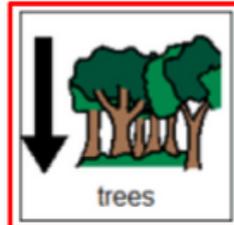
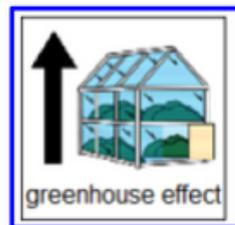
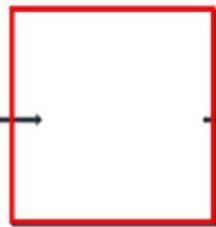
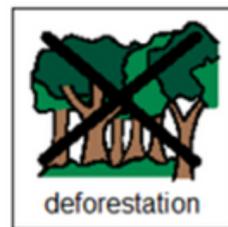
4. As the ice caps melt, the rises.

5. The have less and less area to survive as the ice caps melt.

Choose the best picture to finish each sentence.



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This unit also has 46 google slides. There are 2 sets of slides (23 in each set). The second set is differentiated using color.



I realize there will be some students out there unable to do cutting activities. I have a blog post with ways to complete activities without a pair of scissors!!

All of the activities (except the book) come in color and black and white.

[Click Here to read more!!](#)