



Earth Day Celebration

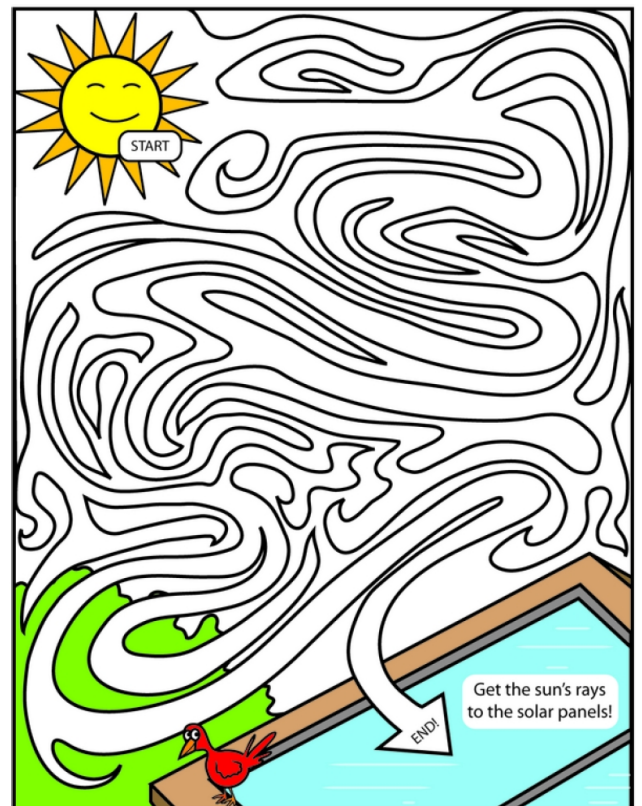


EdHelper
can
educate YOU on How to HELP!!

My Name: _____

Do all of these:

- | | |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> page 1 | <input type="checkbox"/> page 13 |
| <input type="checkbox"/> page 2 | <input type="checkbox"/> page 14 |
| <input type="checkbox"/> page 3 | <input type="checkbox"/> page 15 |
| <input type="checkbox"/> page 4 | <input type="checkbox"/> page 16 |
| <input type="checkbox"/> page 5 | <input type="checkbox"/> page 17 |
| <input type="checkbox"/> page 6 | <input type="checkbox"/> page 18 |
| <input type="checkbox"/> page 7 | <input type="checkbox"/> page 19 |
| <input type="checkbox"/> page 8 | <input type="checkbox"/> page 20 |
| <input type="checkbox"/> page 9 | <input type="checkbox"/> page 21 |
| <input type="checkbox"/> page 10 | <input type="checkbox"/> page 22 |
| <input type="checkbox"/> page 11 | <input type="checkbox"/> page 23 |
| <input type="checkbox"/> page 12 | |



10

9

8

7

6

5

4

3

2

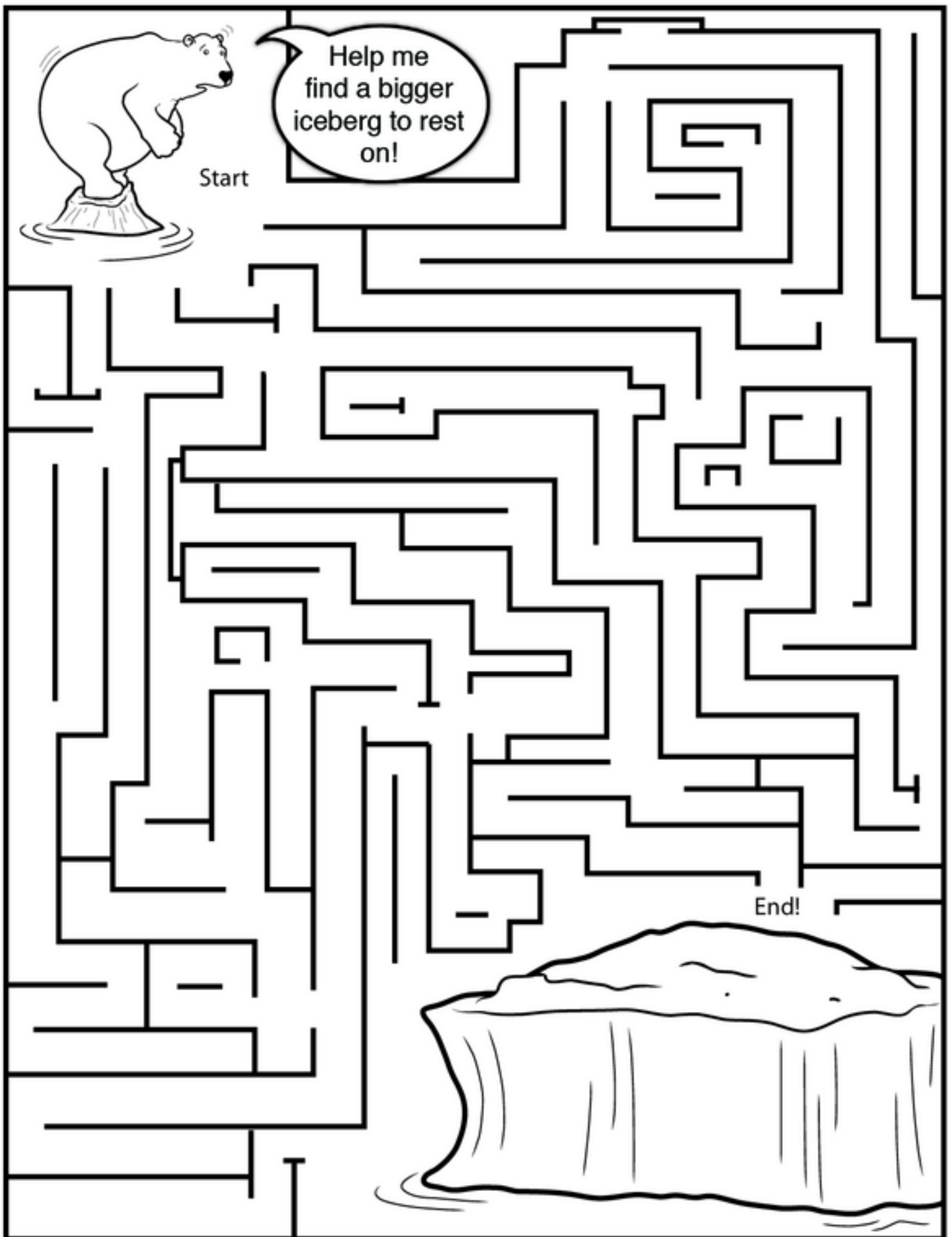
1



-
- A crossword puzzle grid with 9 numbered squares. The grid is composed of white squares for letters and black squares for empty space. The numbers are: 1 (down), 2 (right), 3 (right), 4 (down), 5 (down), 6 (down), 7 (right), 8 (right), and 9 (right).

2. where we live
4. what we drink
6. color of most plants
8. rises and sets everyday

-
- A crossword puzzle grid with three numbered starting points. The grid is composed of white squares for letters and black squares for empty space. The numbers are placed in the top-left corner of their respective starting squares: 7. is at the top left, 8. is in the middle right, and 3. is at the bottom left.



Help me
find a bigger
iceberg to rest
on!

Start

End!

1st Annual Care For and Clean Up Our Earth



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Name _____



Date _____

☐ I did page 4

1. What kinds of trash are the kids collecting?

2. What does it look like the teacher is doing?

3. What does the cat want to drink from?

4. What are things you could plant?

5. What could you use to get leaves in a pile?

6. What do you think the baby birds want?

7. What is peeking around the corner of the school?

8. What pet is most likely named "Freckles"?

9. What is something that slithers?

10. What are the kids putting the trash into?

11. What season would you guess this is?

12. What is something that hops?

13. What has one wheel and two handles?

14. What is being pulled?

15. Who is watching from the inside windows?

16. Who has feathers?

17. Who has fur?

18. Who is using something that will take a picture?

Name _____



Date _____

☐ I did page 5

19. Who is listening to the teacher?

20. Who is holding something?

21. Who is patting down the soil?

22. How many letter "C's" do you count?

23. How many girls do you count?

24. How many boys do you count?

25. How many grown-ups do you count?


Name: _____

☐ I did page 6



Color the items:

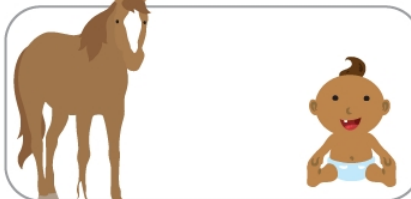
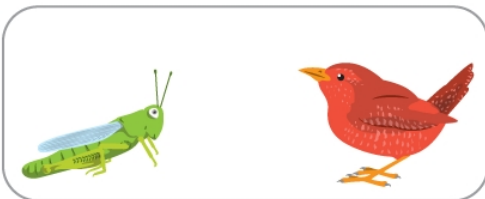
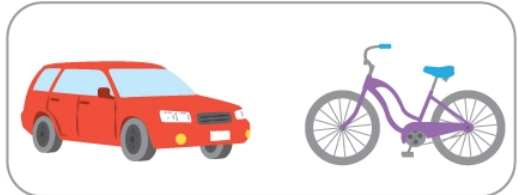
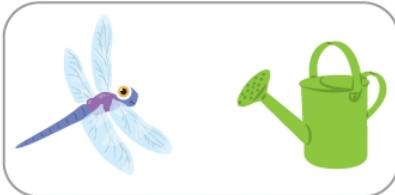
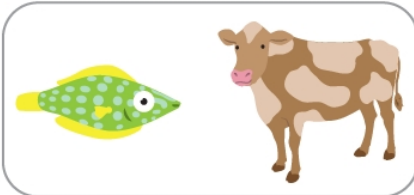


Something I can
 **REDUCE:** _____

Something I can
 **REUSE:** _____

Another thing I can
 **RECYCLE:** _____

Circle the item in each pair that you think is heavier.

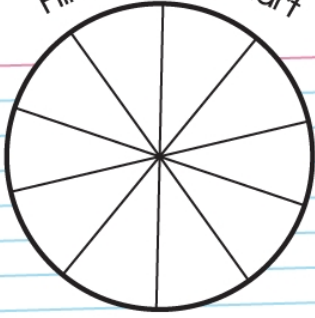


Name: _____

☐ I did page 7


If $\frac{7}{10}$ of the Earth's surface is covered in water,
then of the Earth's surface is covered in land. →

Fill in the Pie Chart

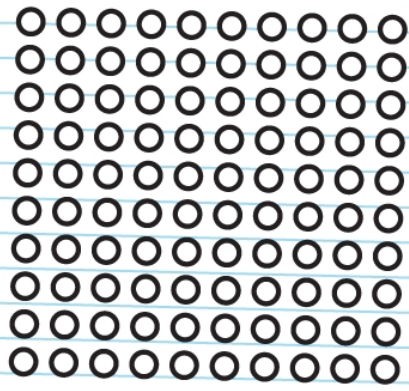


BLUE - WATER
GREEN - LAND


If $\frac{97}{100}$ of the Earth's water is salt water,
then of the Earth's water is freshwater.



Fill in the Dots

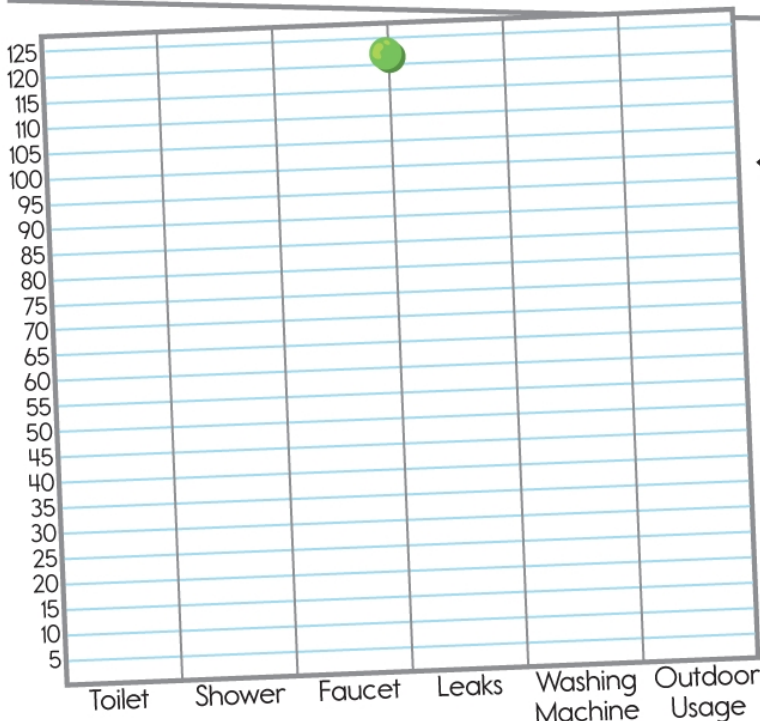


Salt Water: Green
Fresh Water: Blue

Take a Guess 

How much of Earth's freshwater is easily accessible?

a). $\frac{25}{100}$ c). $\frac{99}{100}$
b). $\frac{1}{100}$ d). $\frac{15}{100}$



Average Daily Household Water Usage

← Fill in the Bar Graph

- 85 Gallons - Toilet
- 70 Gallons - Shower
- 65 Gallons - Faucet
- 45 Gallons - Leaks
- 60 Gallons - Washing Machine
- 120 Gallons - Outdoor Usage

What is one way we could reduce our water usage? _____

Name: _____

☐ I did page 8

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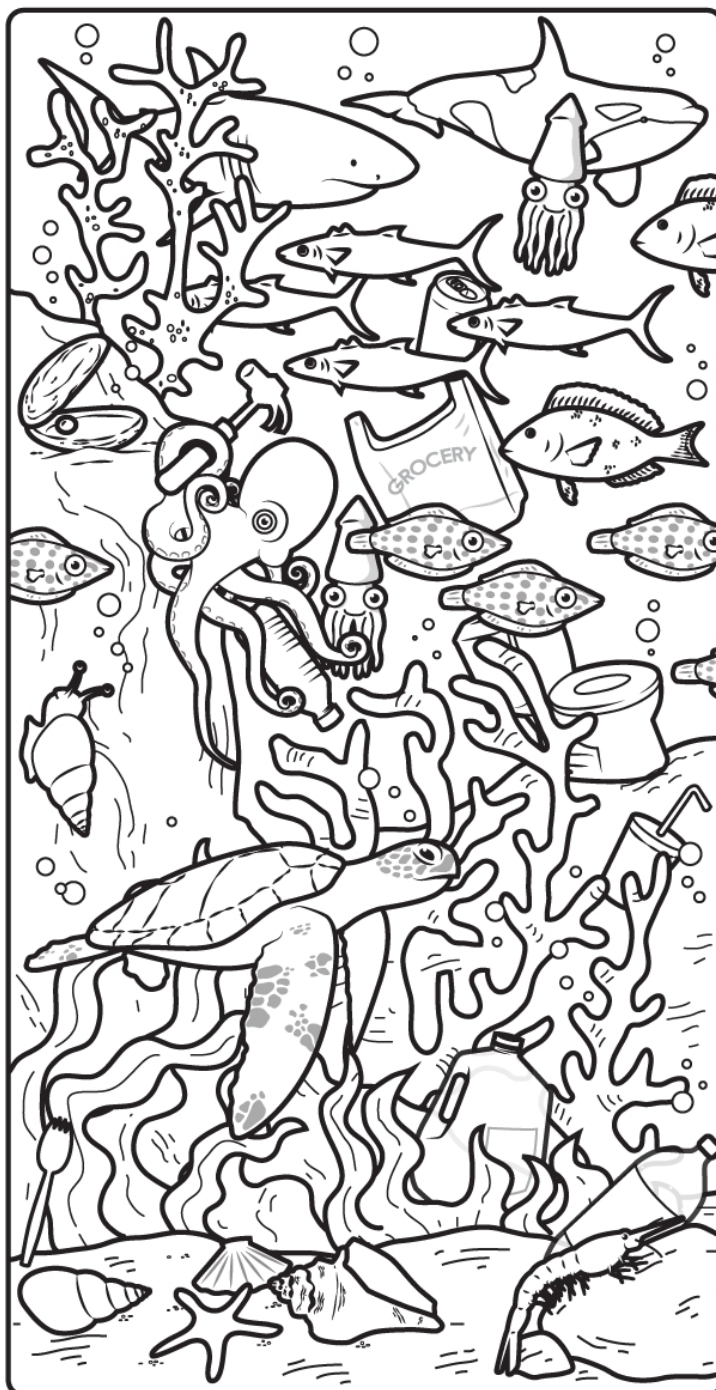


How do you organize a birthday party for Earth?

9 5 8 6 3 1 4 2 7 !

1 2 3 4 5 6 7 8 9
A E L N O P T U Y

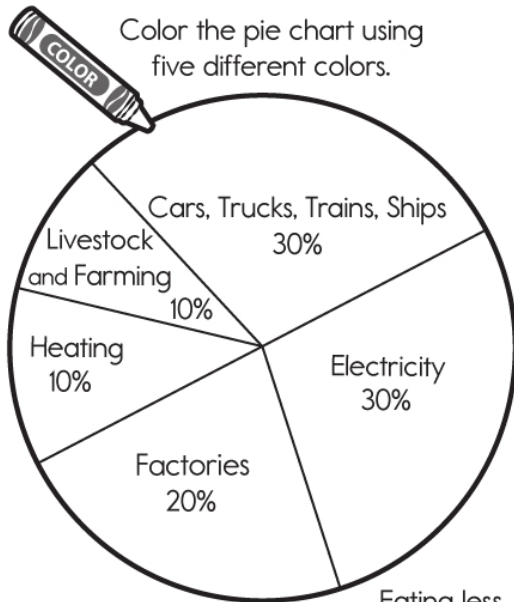
How many things can you find that don't belong in the ocean?



Name: _____

☐ I did page 9**U.S. Greenhouse Gas Emissions**

Color the pie chart using five different colors.

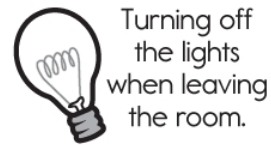
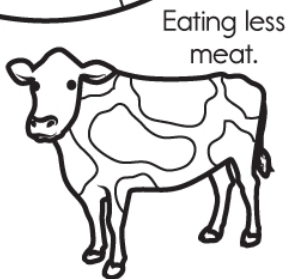
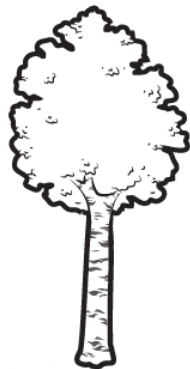


Which two sources emit the most greenhouse gas?

Which two sources emit the least greenhouse gas?

What can people do to reduce greenhouse gasses?

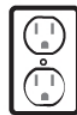
← Color each item below to match the section(s) it can help.



Planting shade trees near your house.



Driving fuel-efficient cars.



Unplugging appliances and electronics when they are not in use.



Buying used items instead of buying new.

Why do greenhouse gasses warm the Earth?

- a). They trap the Sun's heat.
- b). They explode and create fires.
- c). They make the Earth rotate faster.

Are wind turbines a good source for electricity? Why or why not?



Name: _____

☐ I did page 10

Earth is made up of...

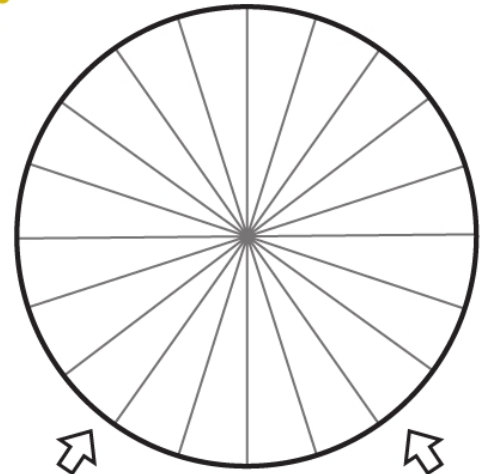
$\frac{29}{100}$ Land	<p>Color the Dots</p>
+ $\frac{69}{100}$ Saltwater	
+ $\frac{\boxed{}}{100}$ Freshwater	
$\frac{100}{100}$ Total Surface	

Land - Brown
Saltwater - Green
Freshwater - Blue

Convert to Decimals

Land:	Saltwater:	Freshwater:
$\boxed{.29}$	$\boxed{}$	$\boxed{}$

What is polluting our oceans?



Color the Pie Chart:

Converting Fractions

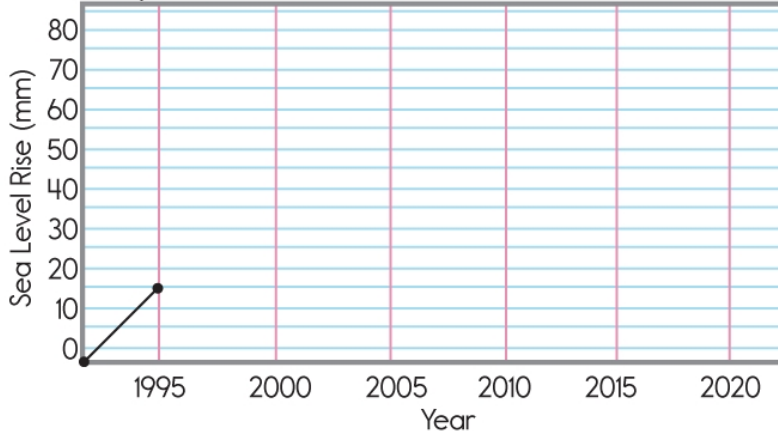
 $\frac{1}{5}$ Air Pollutants
blue $\frac{2}{10}$ Farm Runoff
green $\frac{3}{10}$ Sewage
brown $\frac{5}{100}$ Litter/Garbage
purple $\frac{2}{40}$ Offshore Oil Drilling
black $\frac{10}{100}$ Industrial waste
yellow $\frac{3}{30}$ Ships/Barges
orange

Earth's Freshwater

Ice Caps & Glaciers Ground Water Lakes, Rivers, Swamps

$\frac{6.8}{10}$	+	$\frac{\boxed{}}{10}$	+	$\frac{.2}{10}$	=	$\frac{10}{10}$
------------------	---	-----------------------------------	---	-----------------	---	-----------------

Graph the Data : Sea level is rising 3 mm per year.



At the current rate, how many mm will the sea have risen by 2035?

Name: _____

☐ I did page 11

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Climate Crossword

Across

1. Carbon Dioxide, Methane, Nitrous oxide...

3. where we live

5. global _____

7. _____ panels harness energy from the sun.

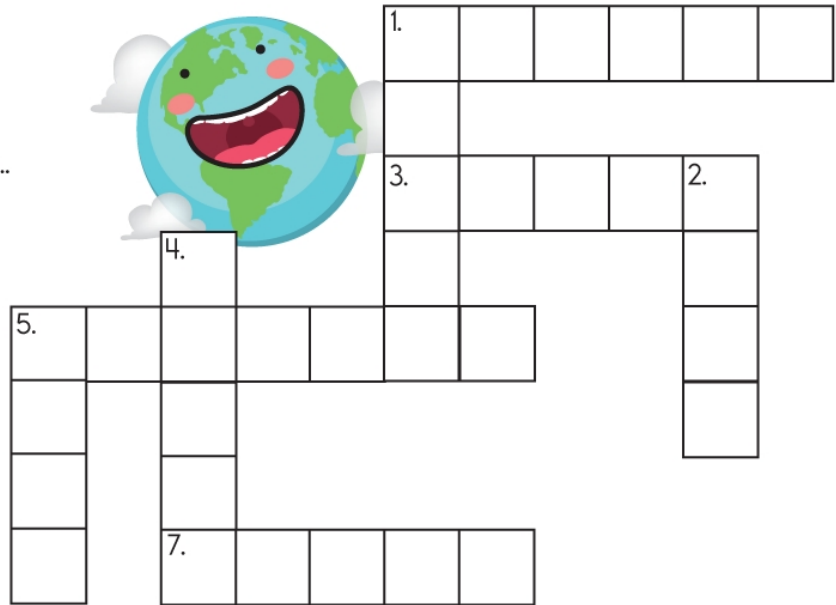
Down

1. _____ house gasses

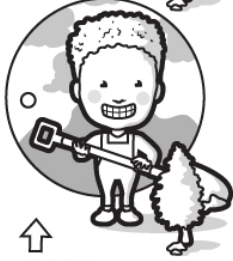
2. something we get from the sun

4. Plant these near your home to reduce cooling costs.

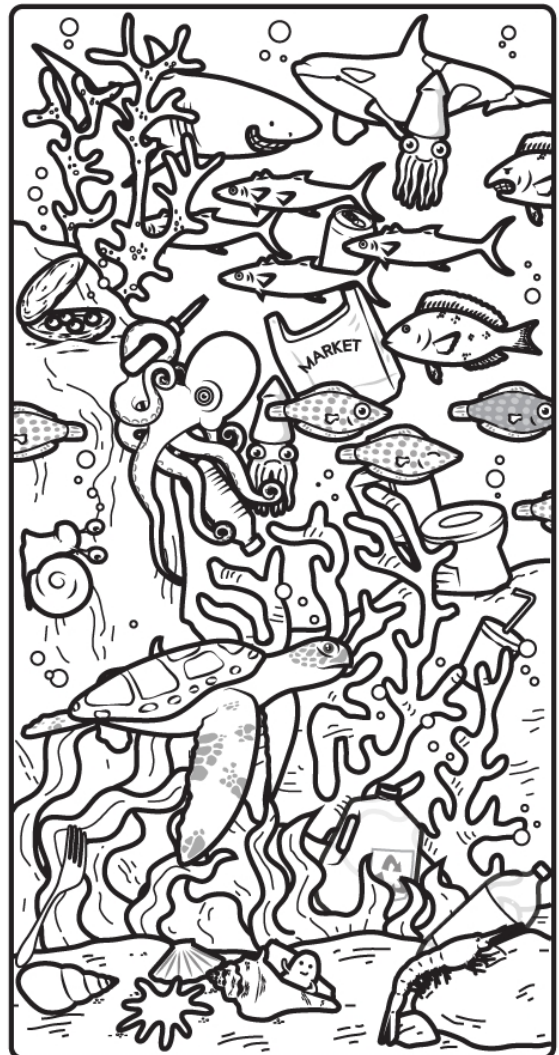
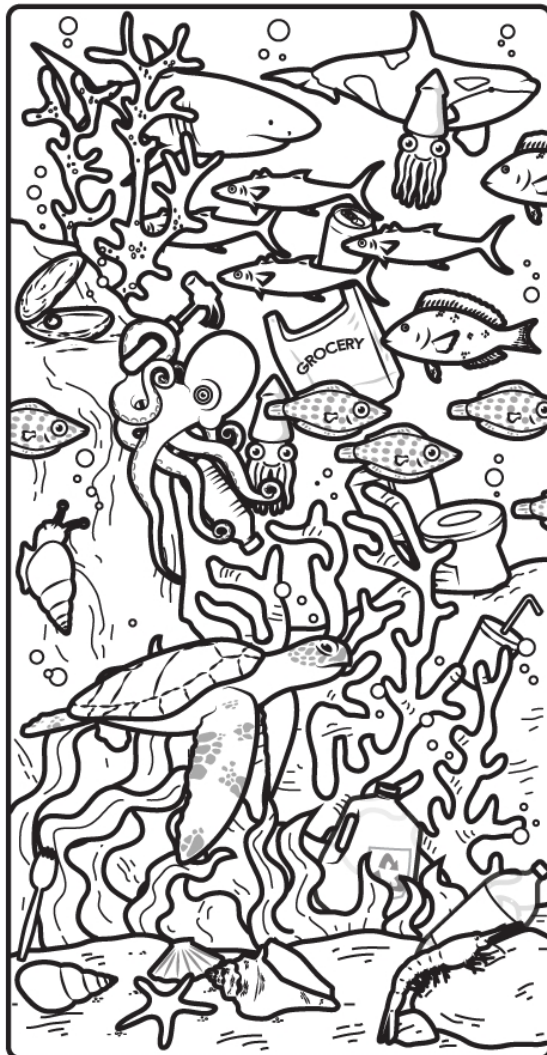
5. _____ turbines harness energy from the wind.



Circle the things that are different.



↑
Which two are exactly the same?



Name: _____

☐ I did page 12

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Coral Bleaching:



Healthy Coral

- Algae and coral depend on each other for survival.
- Algae living within the coral is what gives it color.
- Algae provides nutrients to the coral.



Stressed Coral

- If stressed the coral will begin ejecting the algae.
- Stressors: increased temperature; increased pollution; increased acidity; increased sun exposure; decreased sun exposure



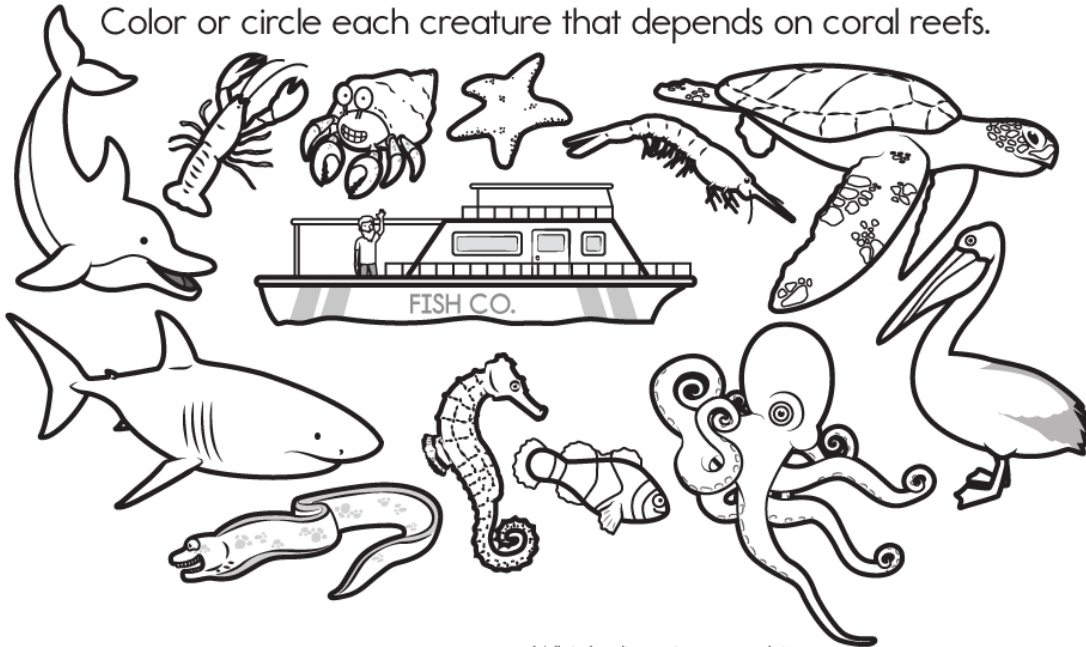
Bleached Coral

- Bleached coral is vulnerable to disease and death.
- If the coral is able to recover it takes about 10 years to return to normal.

Put an (X) if you think it hurts coral reefs. Put an (✓) if you think it helps.

- ☐ rising ocean temperatures
- ☐ energy from wind and solar
- ☐ offshore oil drilling
- ☐ responsible fishing
- ☐ dumping waste into oceans
- ☐ driving less
- ☐ energy efficient appliances
- ☐ reducing farm runoff
- ☐ cleaning up beaches
- ☐ touching coral reefs
- ☐ planting trees
- ☐ reusable water bottles and grocery bags
- ☐ coal burning power plants
- ☐ collecting rainwater to water gardens
- ☐ organic, natural sunscreen

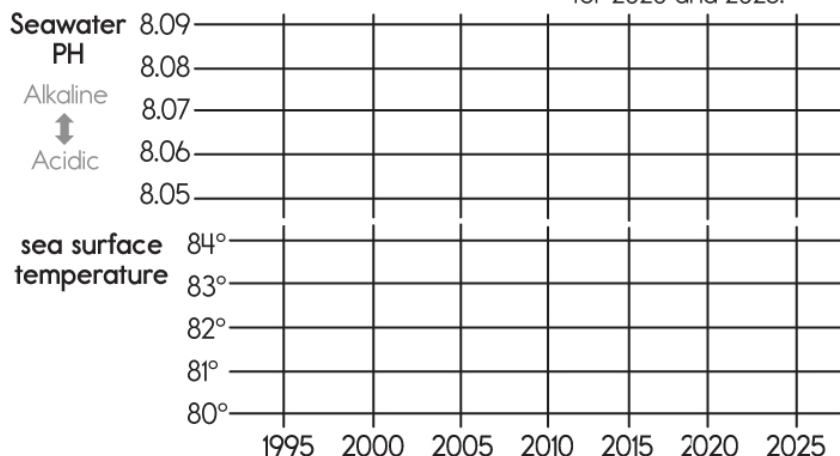
Color or circle each creature that depends on coral reefs.



Plot the Information

• Caribbean Reefs •

Which direction are things headed? Make a prediction for 2020 and 2025.



Seawater PH

1995 - 8.085
2000 - 8.08
2005 - 8.065
2010 - 8.06
2015 - 8.05

Sea Surface Temperature

1995 - 81.8°
2000 - 81°
2005 - 82.5°
2010 - 82.8°
2015 - 82.5°

Name: _____

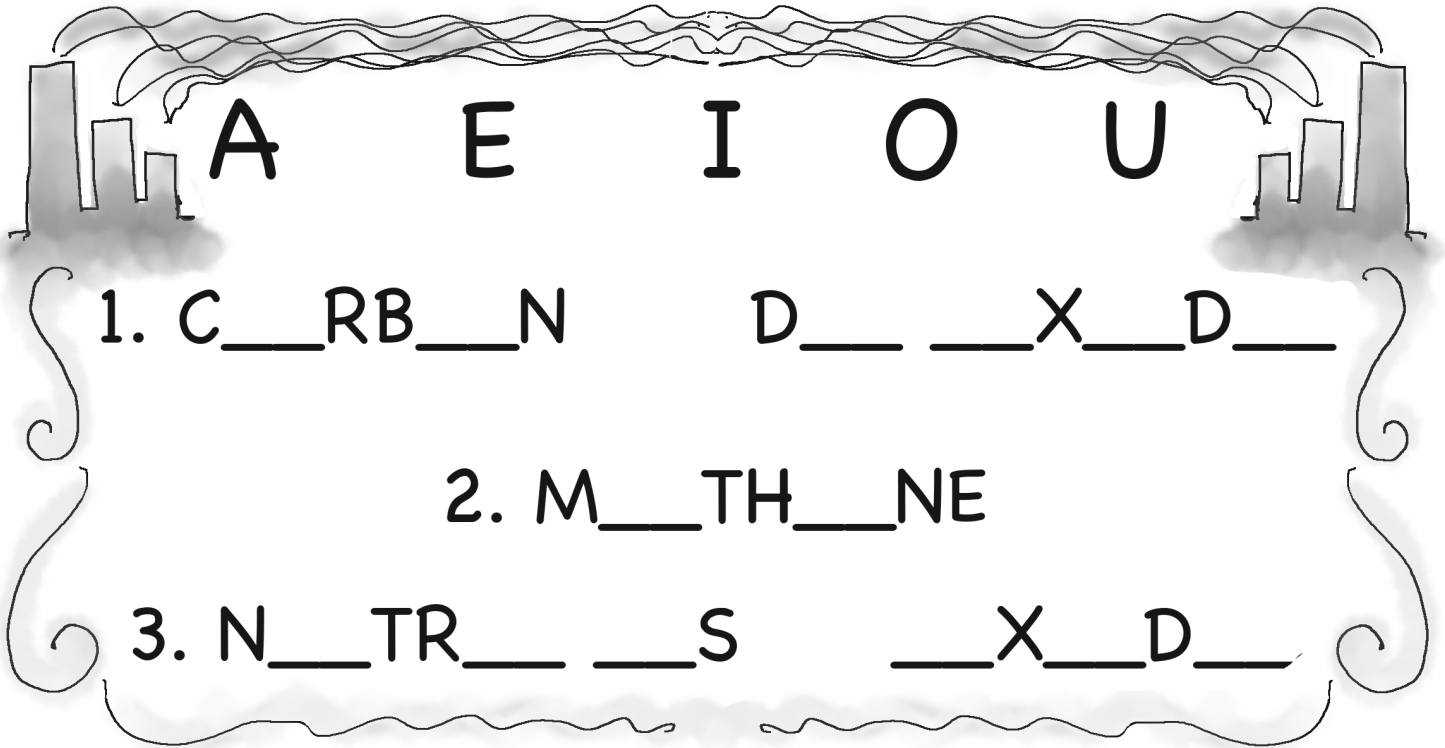
☐ I did page 13

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Climate Crisis

Gases from transportation, electricity, agriculture, and industry all disrupt and harm our climate.

Find the three most common gases that are released into the atmosphere by adding vowels.



Why should we care? _____

What can we do? _____

How can we prepare? _____

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Name: _____

☐ I did page 14

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Earth Day Changes

Even one person can make a change to our Earth. List ways you can live a "green" lifestyle. Use one word from the clouds in each sentence you write.



1. _____

2. _____

3. _____

4. _____

5. _____

Name: _____

☐ I did page 15

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Compost Convert

Have you ever considered making a compost site to help keep our environment healthy? Unscramble the last word in each sentence to get information.

Food scraps that decompose well are
fruit and vegetable _____.



o



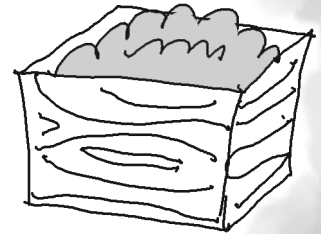
l e p e l s



You can use a bin or make one in



a _____.
a y r b c a k d



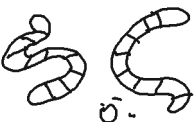
The resulting soil helps to grow
healthy _____.



s a n p l t



Don't be surprised to find worms in
an outdoor compost _____.



o

e



o



p a h e



o

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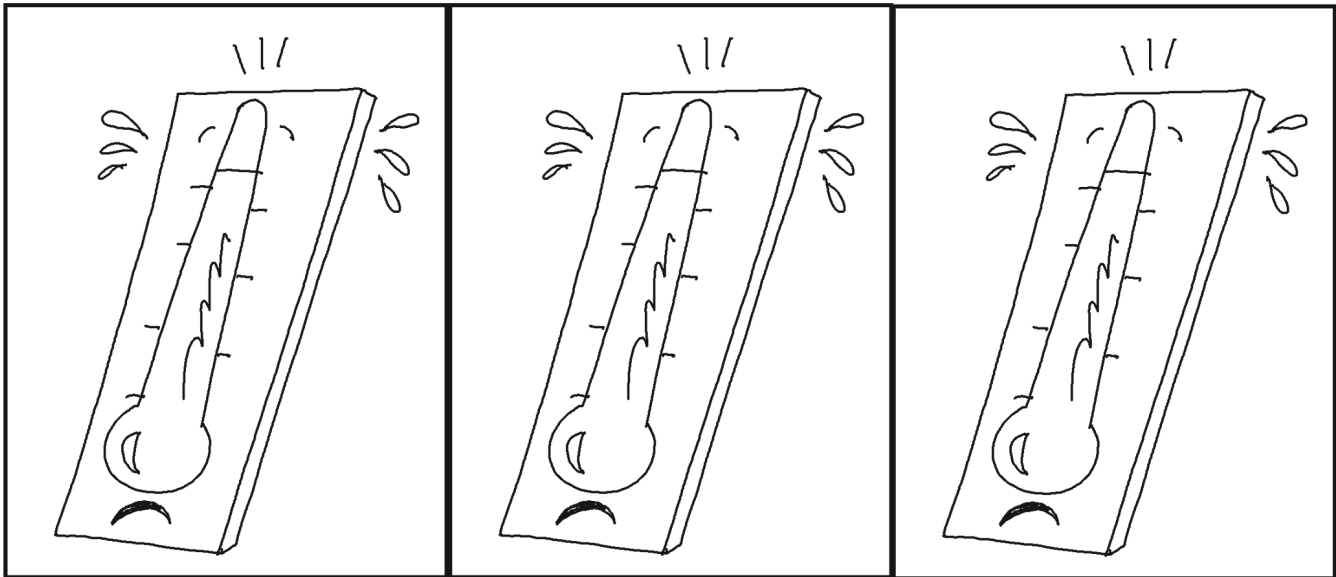
Name: _____

☐ I did page 16

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S.T.E.A.M. (Focus on Art)

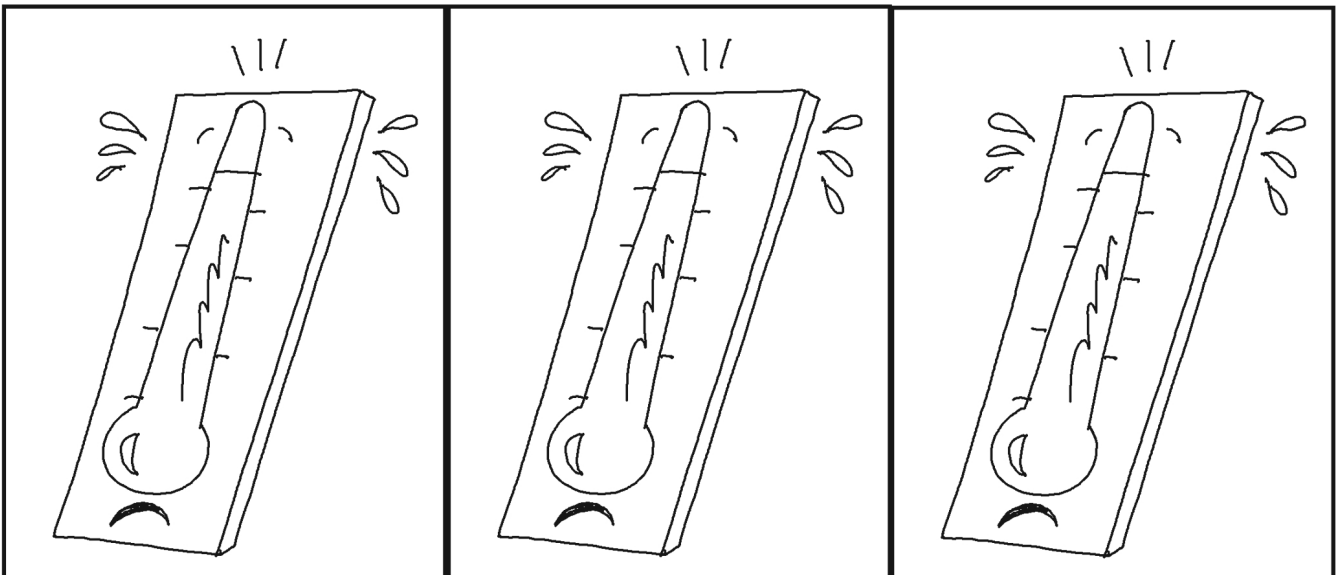
Global warming means the earth is heating up too much. Shade each thermometer using different values of the color. Value is the lightness or darkness of a color.



red

yellow

orange



blue

purple

green

©edHelper

Name: _____

☐ I did page 17

S.T.E.A.M. (Focus on Science)

Protecting the Earth without putting dangerous chemicals and gases into the atmosphere is key. Explore geothermal energy and write what you



What it is: _____

Places it is found: _____

Ways it is used: _____

Why it is good for our planet: _____




Name: _____

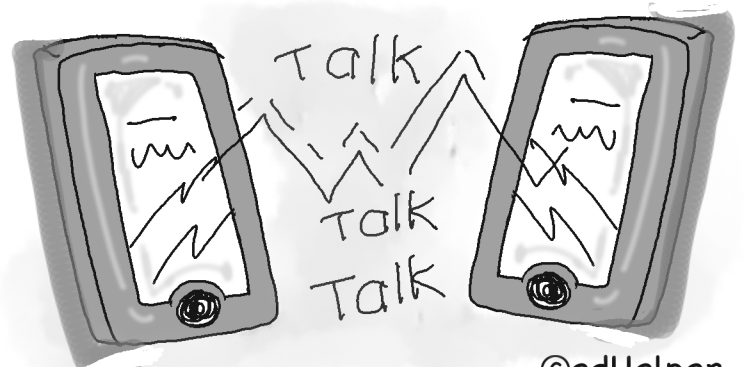
☐ I did page 18

S.T.E.A.M. (Focus on Technology)

One of the best things we can do to help the environment is to tell others what's happening and the solutions available. Cell phones help us communicate. Think of one that could do more than ours presently offer. Draw and write about this future piece of technology.

How It Would Look 

What It Could Do



©edHelper

Name _____



Date _____

☐ I did page 19



478 Hall Pl.
Erie, PA 16515
May 2, 2020

Dear _____,

I want to open a new store. It will be "green." It will offer products that are good for the environment. What kinds of things should I stock? What would you be interested in buying? What would your family like? What kind of advertising should I do? If you can help me, I'm sure that my new store will be a success.

Your friend,
Renee

Name _____



Date _____

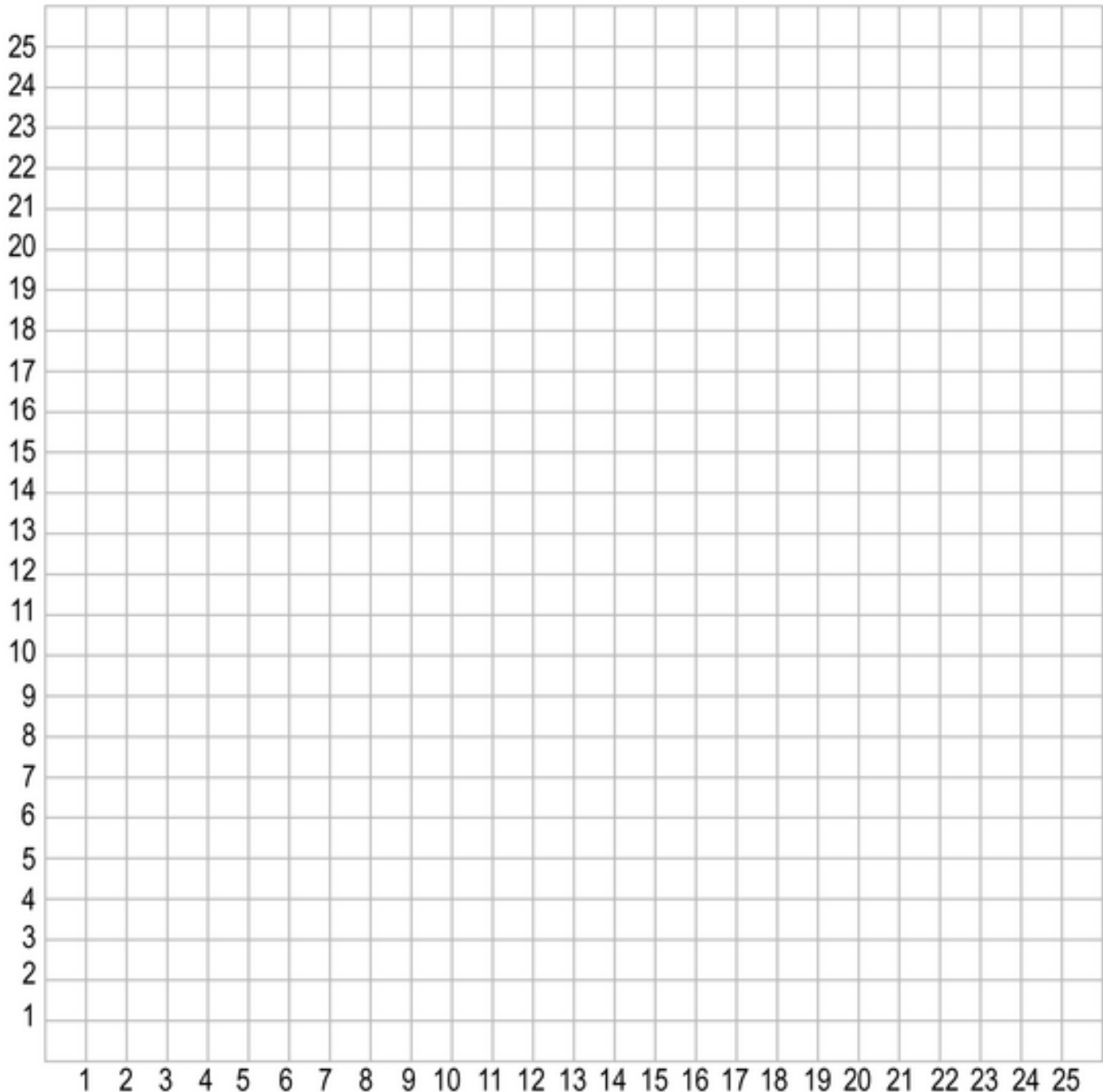
☐ I did page 20

Name _____

Plot the Picture

Directions: Plot and connect the coordinate pairs to create line segments on the graph.
Draw all the line segments to discover a picture or message

Graph



Name _____

Plot the Picture: *Earth Day 2*

Directions: Plot and connect the coordinate pairs to create line segments on the graph.
Draw all the line segments to discover a picture or message

Coordinates

(10,25),(16,25)	(14,19),(15,17)	(8,21),(8,22)	(10,6),(10,5)	(24,6),(24,4)
(16,25),(18,24)	(15,17),(13,15)	(8,22),(7,23)	(10,5),(9,5)	(23,5),(24,5)
(18,24),(21,21)	(13,15),(15,14)	(6,10),(7,11)	(11,6),(11,5)	(11,3),(12,2)
(21,21),(22,18)	(15,14),(16,14)	(7,11),(6,12)	(11,5),(12,5)	(12,2),(11,1)
(22,18),(22,14)	(16,14),(17,13)	(6,12),(7,12)	(12,6),(12,4)	(11,1),(11,3)
(22,14),(20,10)	(17,13),(16,11)	(7,12),(7,14)	(12,4),(11,4)	(13,1),(13,3)
(20,10),(18,8)	(16,11),(18,11)	(7,14),(6,15)	(15,6),(14,6)	(13,3),(14,3)
(18,8),(16,7)	(18,11),(19,10)	(6,15),(6,14)	(14,6),(14,4)	(14,3),(14,1)
(16,7),(10,7)	(19,10),(18,9)	(6,14),(4,14)	(14,4),(15,4)	(13,2),(14,2)
(10,7),(8,8)	(18,9),(14,7)	(3,5),(3,4)	(14,5),(15,5)	(15,3),(15,2)
(8,8),(6,10)	(12,7),(11,11)	(3,4),(4,5)	(16,4),(16,6)	(15,2),(16,2)
(6,10),(4,14)	(11,11),(9,12)	(4,6),(4,4)	(16,6),(17,6)	(16,3),(16,1)
(4,14),(4,18)	(9,12),(8,13)	(5,4),(5,6)	(17,6),(17,4)	(16,1),(15,1)
(4,18),(5,21)	(8,13),(8,15)	(5,6),(6,6)	(16,5),(17,5)	
(5,21),(8,24)	(8,15),(10,15)	(6,6),(6,4)	(18,4),(18,6)	
(8,24),(10,25)	(10,15),(9,16)	(5,5),(6,5)	(18,6),(19,6)	
(10,25),(12,22)	(9,16),(10,18)	(7,4),(7,6)	(19,6),(19,5)	
(12,22),(14,22)	(10,18),(12,20)	(7,6),(8,6)	(19,5),(18,5)	
(14,22),(16,23)	(12,20),(11,20)	(8,6),(8,5)	(18,5),(19,4)	
(16,23),(19,23)	(11,20),(10,21)	(8,5),(7,5)	(20,6),(22,6)	
(20,22),(17,19)	(10,21),(9,20)	(9,4),(9,6)	(21,6),(21,4)	
(17,19),(14,19)	(9,20),(8,21)	(9,6),(10,6)	(23,6),(23,4)	

Name: _____

☐ I did page 23

Timothy, Taylor, Joseph, and Nicole each recycled a different number of cans (18, 19, 16, and 21), as well as a different number of junk mail letters (134, 117, 113, and 122).

Figure out how many cans and junk mail letters each person recycled.

1. Timothy and Joseph recycled a total of two hundred sixty-four cans and junk mail letters.
2. Joseph recycled a total of one hundred thirty-one cans and junk mail letters.
3. If the number of cans Joseph recycled was doubled, he would have recycled thirty-six cans.
4. Taylor recycled one hundred one more junk mail letters than the number of cans she recycled.
5. Taylor recycled less than one hundred twenty-six junk mail letters.
6. Nicole recycled the most number of junk mail letters.
7. Timothy recycled the least number of cans.
8. Taylor recycled more than seventeen cans.
9. Timothy recycled less than one hundred thirty-one junk mail letters.

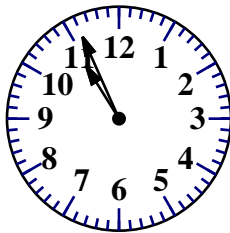
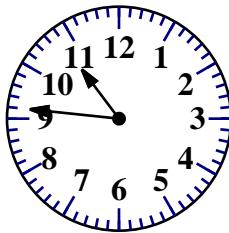
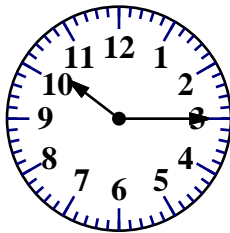
Timothy recycled _____ cans and _____ junk mail letters.

Taylor recycled _____ cans and _____ junk mail letters.

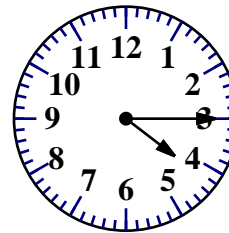
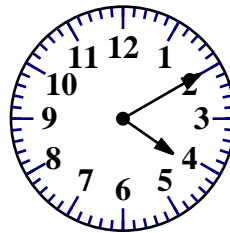
Joseph recycled _____ cans and _____ junk mail letters.

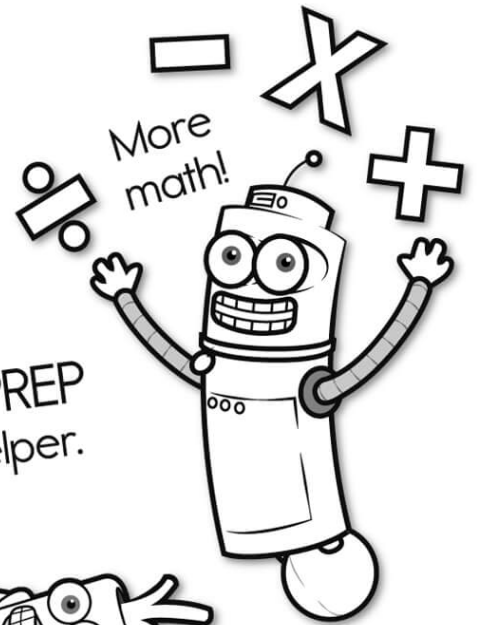
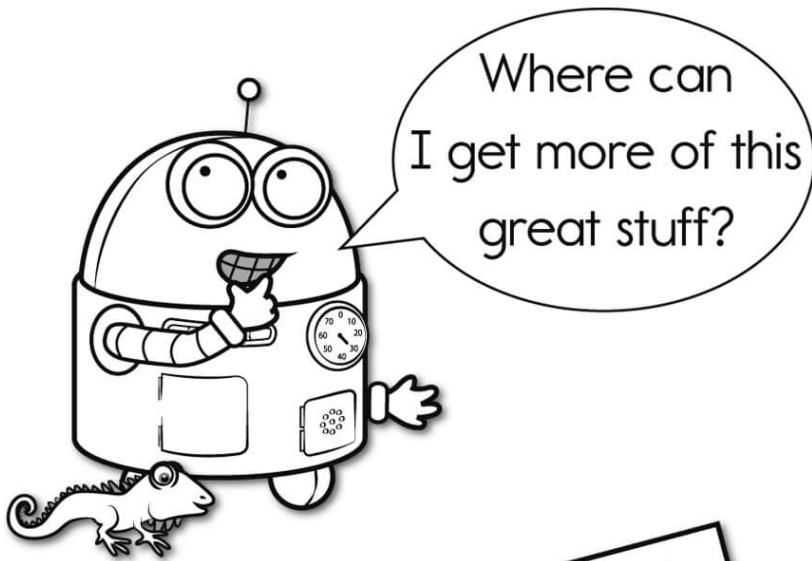
Nicole recycled _____ cans and _____ junk mail letters.

Which clock is closest to 10:40 ?

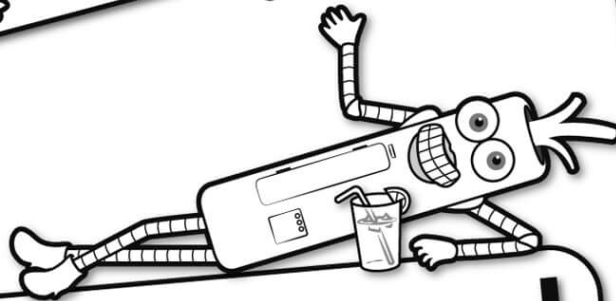


Which clock shows 15 minutes after 4 ?



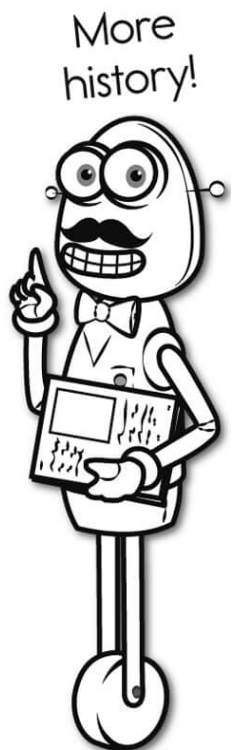
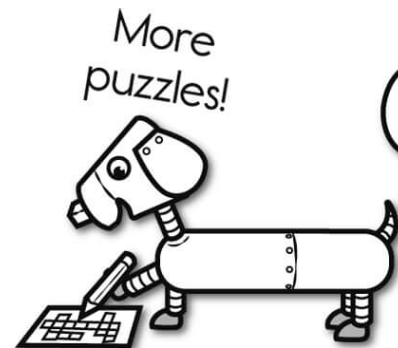
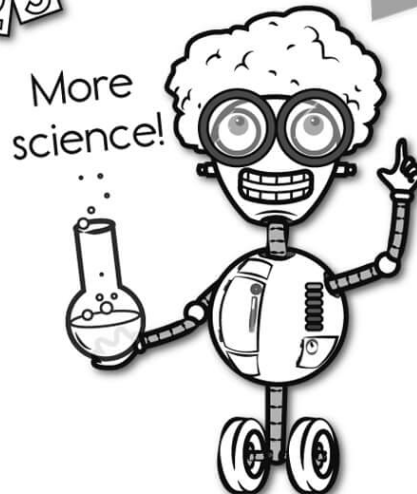
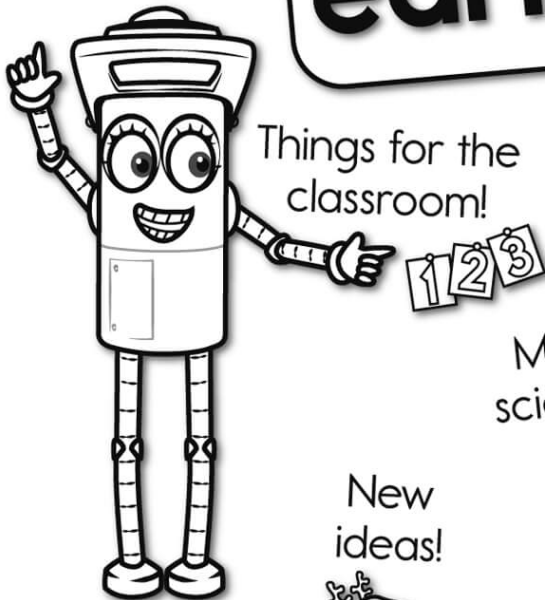


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