

Air North Texas

...just for kids



Air Quality Activity Book

North Texas Air Quality & You

The air quality in North Texas is not as clean as it could be. Pollution from cars and factories mixes with sunlight and hot temperatures, forming ground level ozone. When this happens, it is harmful to people, animals, crops, and trees.

The Air Quality Index measures outdoor air quality. On days when the air is not safe, an air pollution watch or warning is issued. Green and yellow mean the air is safe to breathe. Orange, purple, and maroon mean the air is not safe and you should play inside.

You can reduce air pollution and improve air quality by biking, walking, or skateboarding to school and friends houses, riding the school bus, taking your lunch to school in a reusable container, recycling, turning off lights when you leave a room and by telling friends about the importance of air quality. You can also ask your parents to obey the speed limit, avoid idling, and maintain their vehicle(s).

Don't forget to visit AirNorthTexas.org to learn more about air quality!

go green. breathe clean.



Air North Texas Kids' Club Pledge



I, _____, will do my best to help clean up the air in North Texas. I will do one or more of the following:

- Bike, walk, or skateboard to school and friends' houses
- Ride the school bus
- Take my lunch to school in a reusable container
- Recycle
- Turn off the lights when I leave a room
- Ask my parents to obey the speed limit, avoid idling, and maintain their vehicle(s)
- Tell my friends about the importance of air quality
- With my parents permission, visit AirNorthTexas.org to learn more about air quality

X _____

Signature

Date

What does the AQI mean?

Directions: The Air Quality Index or AQI, shows how healthy the air is to breathe. The AQI uses different colors to explain how clean the air is. Draw a line to match the colored star on the left, with the correct definition, on the right.

The AQI color is:	When the air is:	This means:
 Red	Very Clean	The air is healthy to breathe. Play outside!
 Purple	Clean	The air isn't as clean as a green day. It's still safe to play outside.
 Yellow	Not Clean Enough for Some People	The air is not healthy to breathe if you have asthma. It's okay to play outside today, but take it easy.
 Orange	Dirty	The air is unhealthy to breathe for everyone. Play inside today.
 Green	Very Dirty	The air is very unhealthy to breathe for everyone. Make sure to play inside today.



Ozone Word Scramble

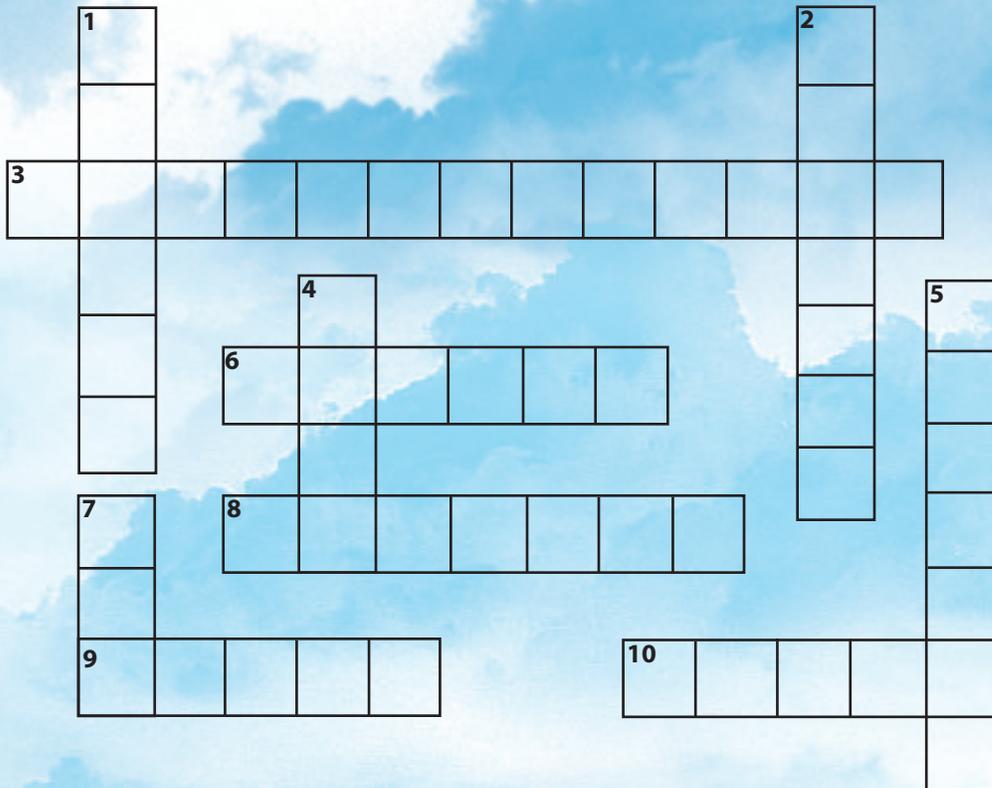
Directions: Unscramble the words below to reveal an important word that completes each phrase.

1. _____ (znooe) is a gas that's found in both the earth's upper and lower atmospheres.
2. _____ (urodng)-level ozone is different. It's found close to the earth's surface and is a serious pollutant.
3. Ground-level ozone is produced when _____ (lisgunht) combines and reacts with chemicals produced by cars, power plants, and factories.
4. High levels of ground-level ozone contribute to air _____ (lloptniou).
5. Lots of pollution in the air makes air quality poor and unhealthy to _____ (eaethbr).
6. The Air _____ (uiyqalt) Index was created by the Environmental Protection Agency to monitor outdoor air quality.
7. The Air Quality Index indicates when _____ (ira) quality is dangerous.
8. Green or _____ (wyolle) means the air is safe.
9. Orange, red, or _____ (upplre) means the air is not safe, and you should limit your time outdoors.



Blue Sky Crossword

Directions: Solve the crossword below to learn what you can do to improve air quality.



ACROSS

3. Visit _____ .org for more tips on improving air quality.
6. Turn off the _____ when you are not in a room.
8. Reduce, reuse and _____.
9. Tell your parents to obey the _____ limit.
10. Take your _____ to school in a reusable bag.

DOWN

1. Tell a _____ about the importance of air quality.
2. Check the Air _____ Index before playing outside.
4. Walk or _____ your bike to school instead of going by car.
5. Go green, _____ clean.
7. Ride the _____ to school.

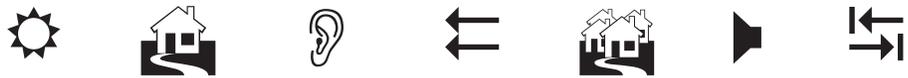


Secret Clean Air Phrase

Directions: Match the symbol with the corresponding letter to reveal a secret clean air phrase.



A B C D E F G



H I J K L M N



O P Q R S T U



V W X Y Z , !



Environmental Word Search

Directions: Search through the grass to find the hidden words.

walk

recycle

green

red

bike

pollution

yellow

purple

bus

ozone

orange

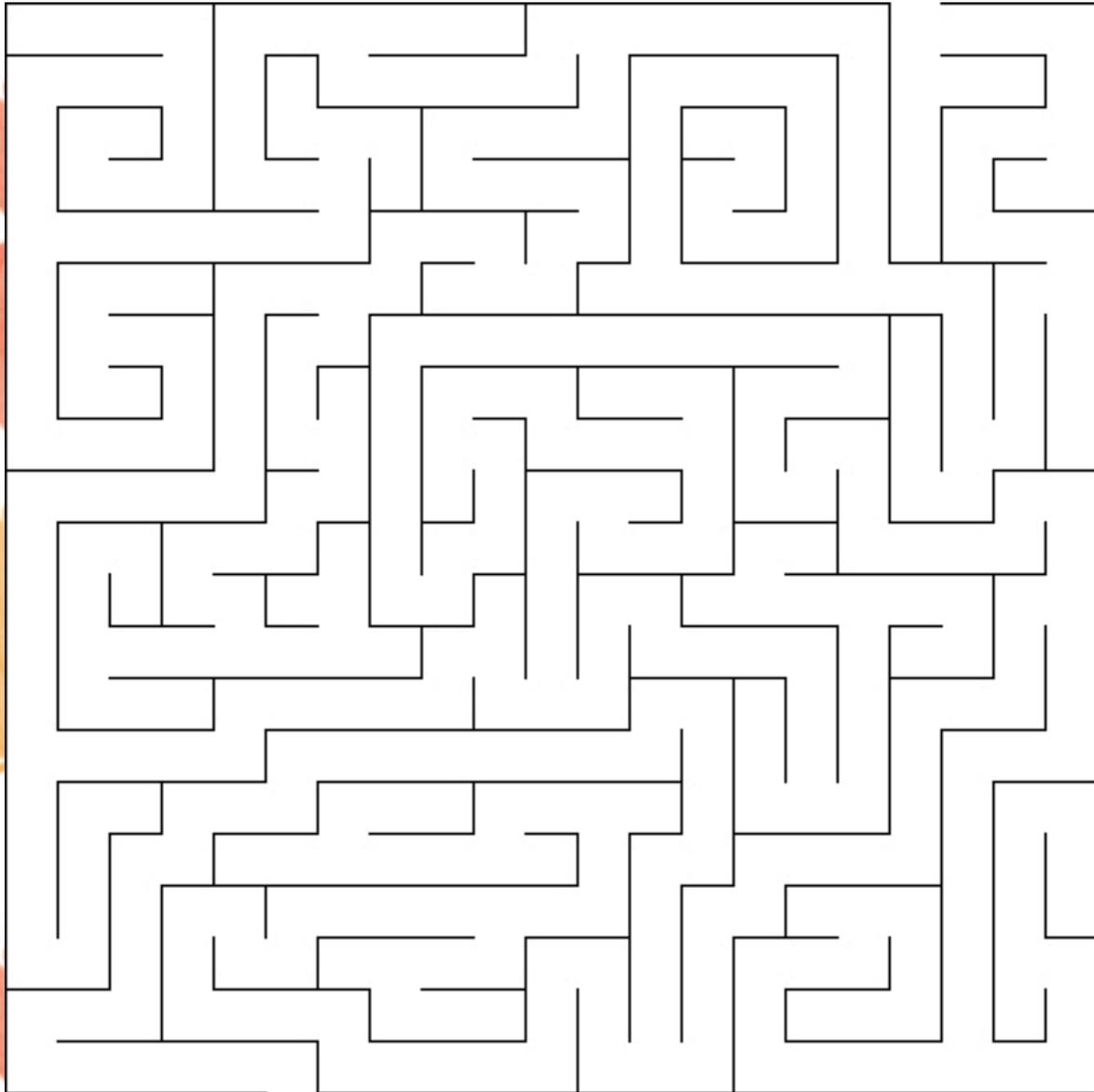
air quality index

a m t h b u s w a o
i b n a t d s a i z
r p w y u l l j z o
q u o a r s d b p n
u r l n l m i o x e
a p l b t k l d a x
l l e a e l r r d c
i e y l u j s m a q
t k g t m t r v e p
y n i q e w y e l i
i o p g r e e n c g
n w u i j l l t y r
d c o r a n g e c j
e x a g h j l p e n
x s d f g q d e r c



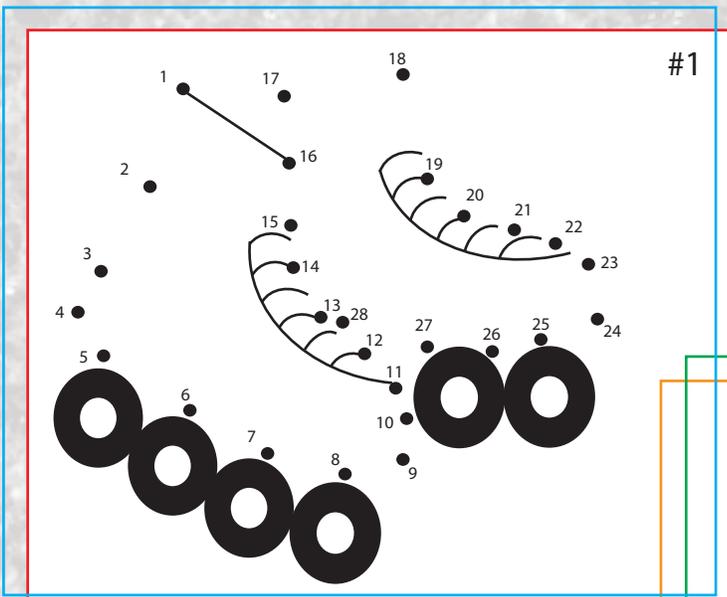
Air Quality Maze

Directions: Navigate through the maze to find your way to the bus stop. Taking the bus to school is a good way to improve air quality. Don't forget your lunch!

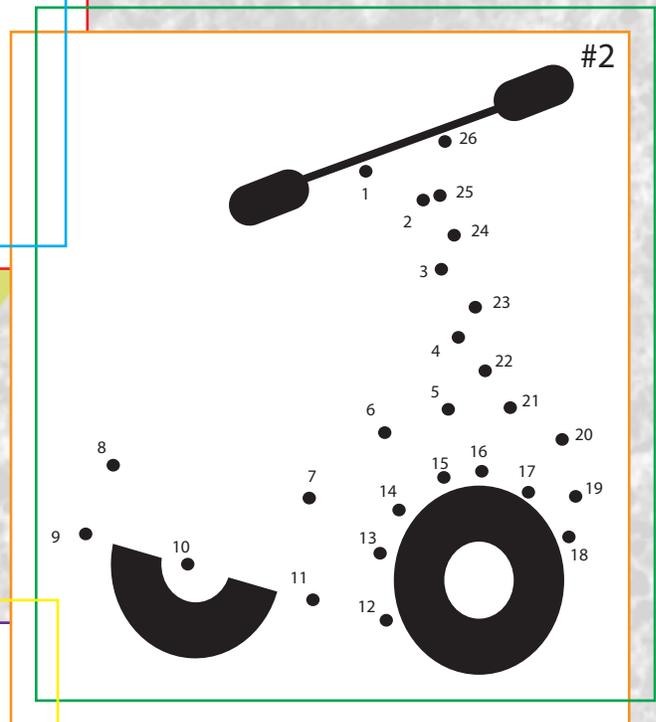


Pollution Solution Connect The Dots

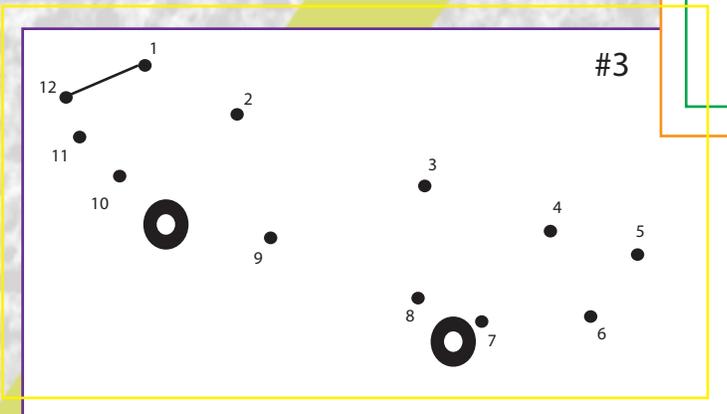
Directions: Walking, riding your bike and taking the bus are not the only ways you can help improve air quality! Connect the dots in the pictures below to reveal other ways you can help keep the air clean!



Picture #1 is a pair of _____.



Picture #2 is a _____.



Picture #3 is a _____.

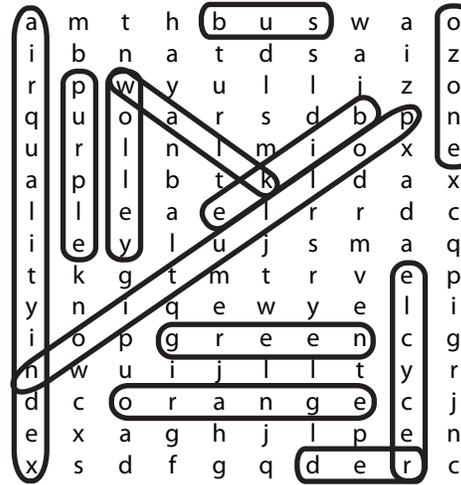


Answers

Page 3- What does the AQI Mean?

	Very Clean	The air is healthy to breathe. Play outside!
	Clean	The air isn't as clean as a green day. It's still safe to play outside.
	Not Clean Enough for Some People	The air is not healthy to breathe if you have asthma. It's okay to play outside today, but take it easy.
	Dirty	The air is unhealthy to breathe for everyone. Play inside today.
	Very Dirty	The air is very unhealthy to breathe for everyone. Make sure to play inside today.

Page 7- Environmental Word Search



Page 4- Ozone Word Scramble

1. ozone
2. ground
3. sunlight
4. pollution
5. breathe
6. quality
7. air
8. yellow
9. purple

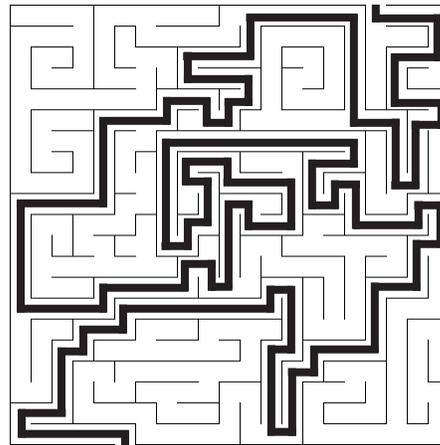
Page 5- Blue Sky Crossword

- | | |
|------------------|------------|
| Across | Down |
| 1. airnorthtexas | 2. friend |
| 6. lights | 3. quality |
| 7. recycle | 4. ride |
| 9. lunch | 5. breathe |
| 10. speed | 8. bus |

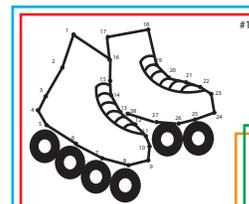
Page 6- Secret Clean Air Phrase

CLEAN AIR, BREATHE IT IN!

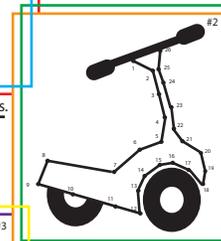
Page 8- Air Quality Maze



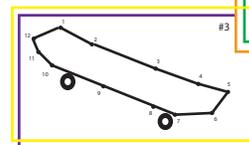
Page 9- Pollution Solution Connect the Dots



Picture #1 is a pair of rollerblades.



Picture #2 is a scooter.



Picture #3 is a skateboard.





www.AirNorthTexas.org