HELP Prevent Air Pollution

Glossary

Pollutant- a pollutant is a chemical or other material that is in the air, water, soil, or in a living thing that is bad for humans, plants, animals, or the environment.

Ozone- a light blue gas that is the major part of the smog that you see close to the ground. In the upper atmosphere, the ozone layer is helpful because it protects us from the sun's ultra-violet light.

Carbon Monoxide- odorless and colorless gas put in the air through the exhaust from cars and other fossil fuel-burning engines. It is bad for people with heart disease and it is bad for the nervous system.

Greenhouse Gases- gases that build up in the atmosphere, this may cause climate change or the "greenhouse effect."

Acid Rain- *rain or snow with more acid in it than normal rain. When rain water mixes in the sky with pollution, it makes acid rain that hurts people, animals, and buildings.*

Atmosphere- a layer of air that surrounds Earth. Our atmosphere is made of 5 main gases: nitrogen, oxygen, carbon dioxide, argon, and water vapor.

Greenhouse Effect- warming of the earth that happens when heat from the sun gets trapped in the atmosphere by gases that limit the heat's outward movement.

Smog- a word that came from "smoke" and "fog." It is the brownish-yellow layer of haze that you see above cities.

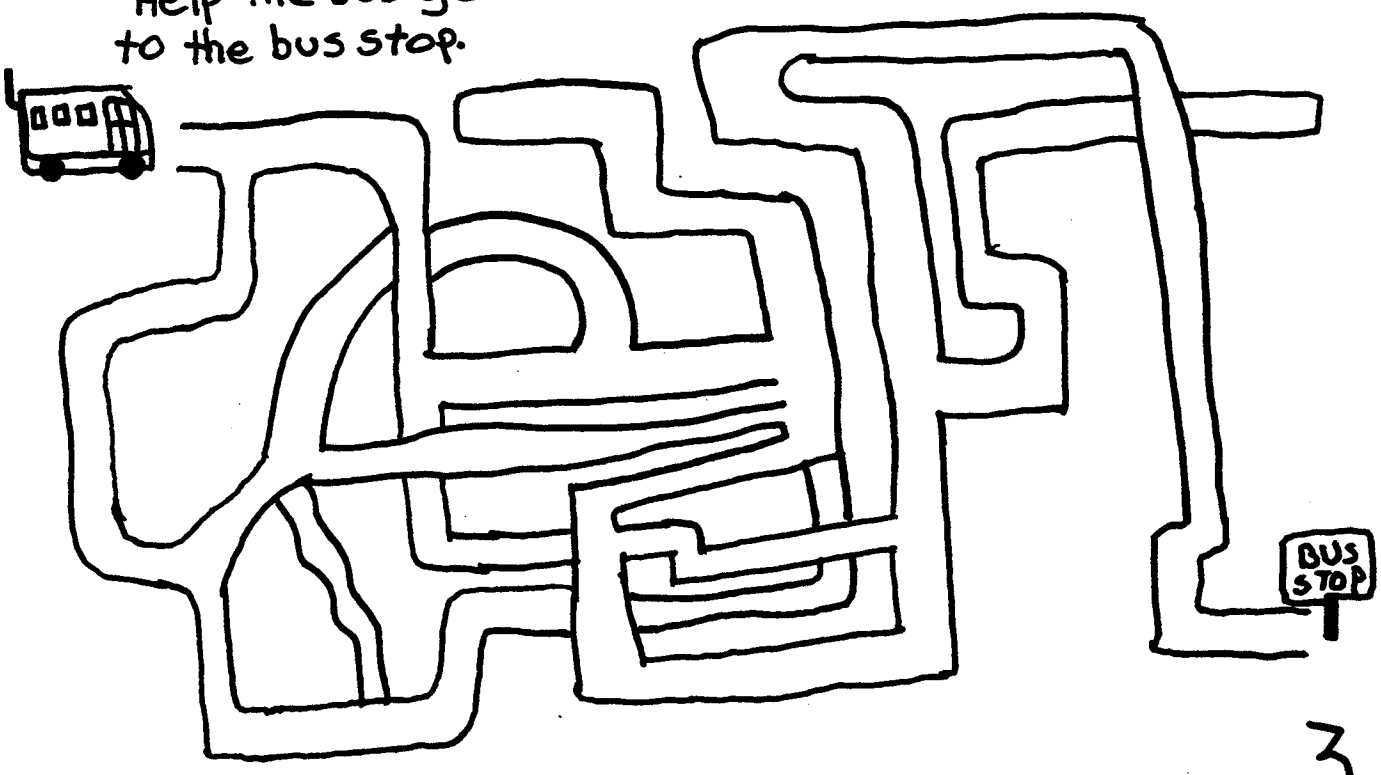
Oxygen- *a gas in the Earth's atmosphere that plants and animals and people breath.*

Particulates- tiny bits of liquid or solid made by humans or natural sources.

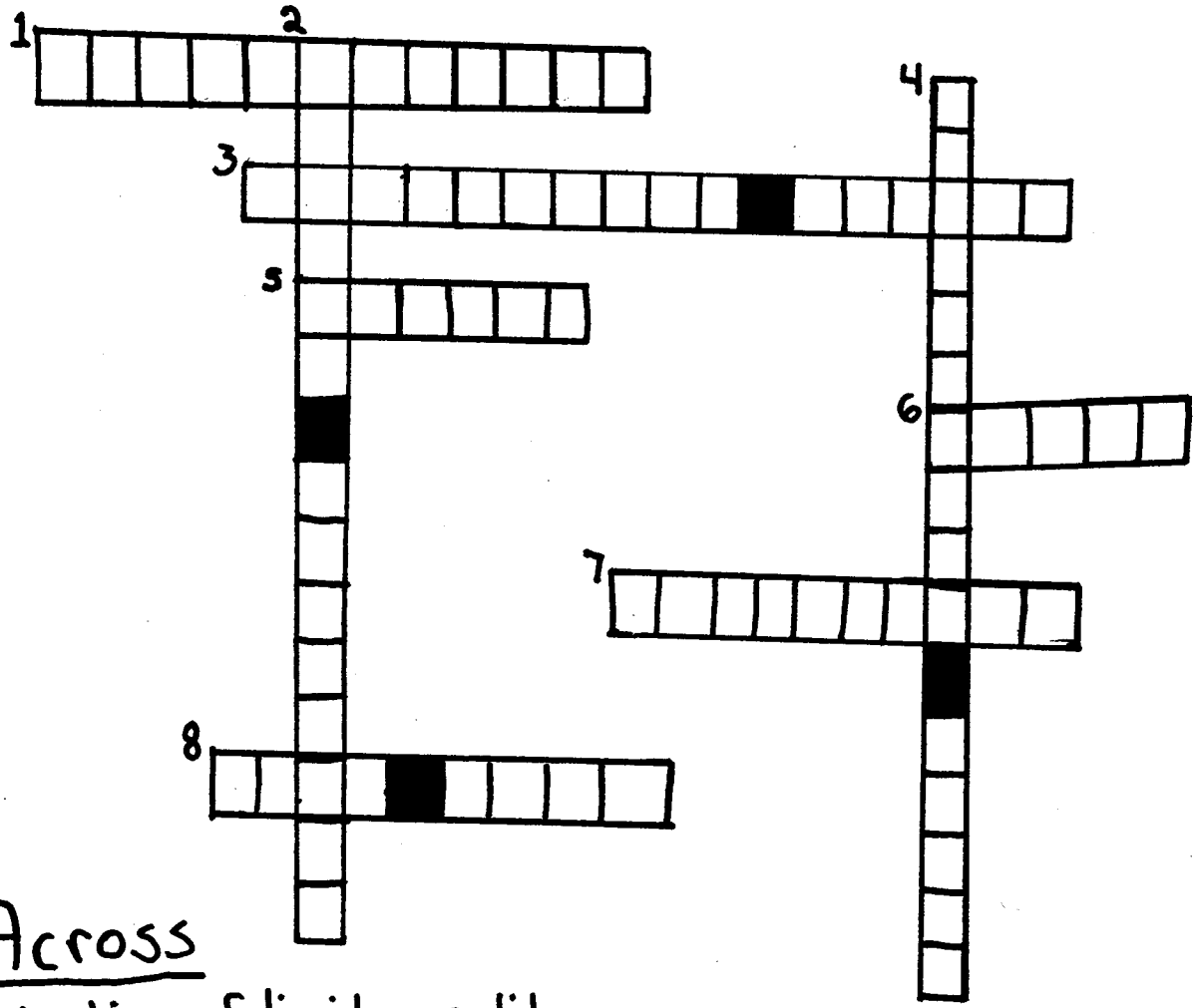
Arizona Earth Kids Word Scramble

1. RANCOB XNDOMEIO _____
2. MGOS _____
3. DELA _____
4. YEBLCIC _____
5. ONEZO LREAY _____

Help the bus get to the bus stop.



Arizona Earth Kid Crossword



Across

1. tiny bits of liquid or solid.
3. warming of the Earth
5. a gas that people breathe
6. a light blue gas
7. the layer of air around the Earth
8. polluted water from the sky

Down

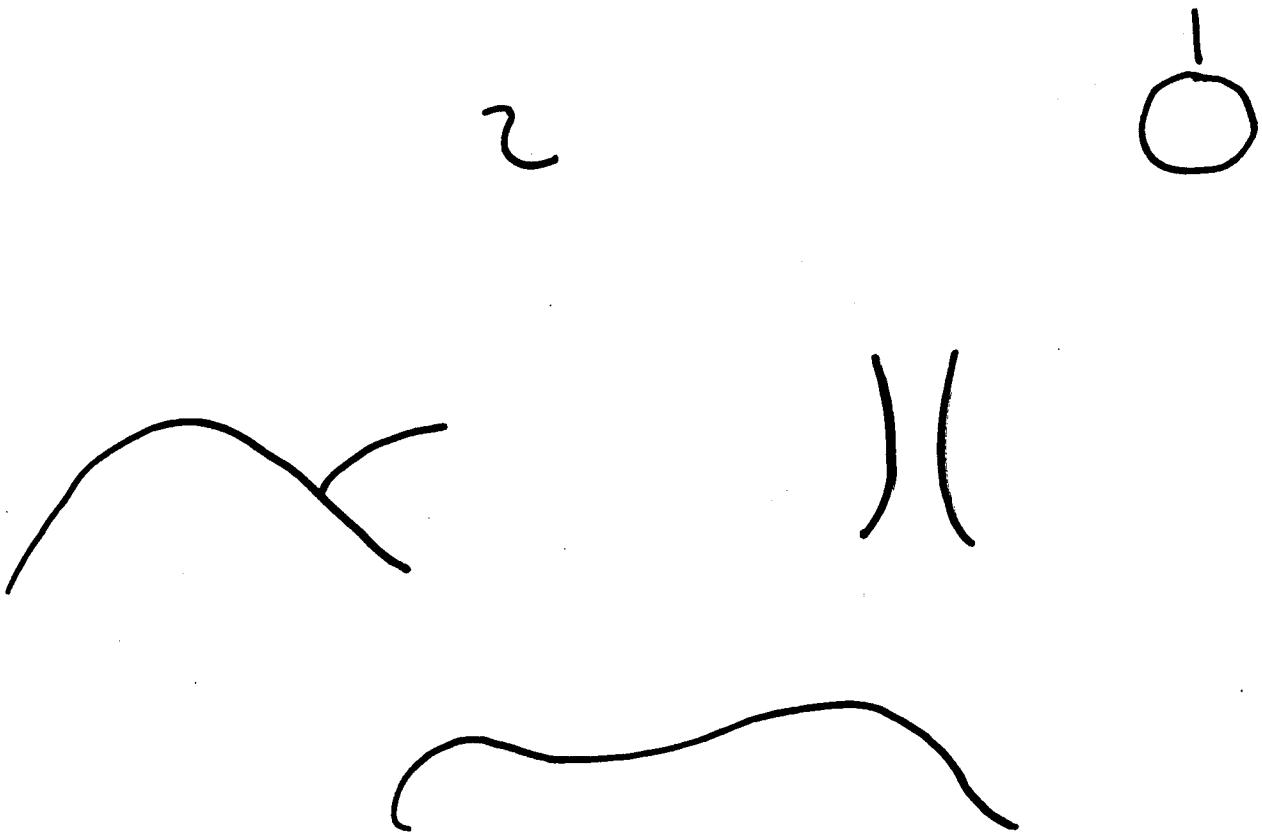
2. odorless, colorless gas
4. gases that build up in the atmosphere.

Word Search

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

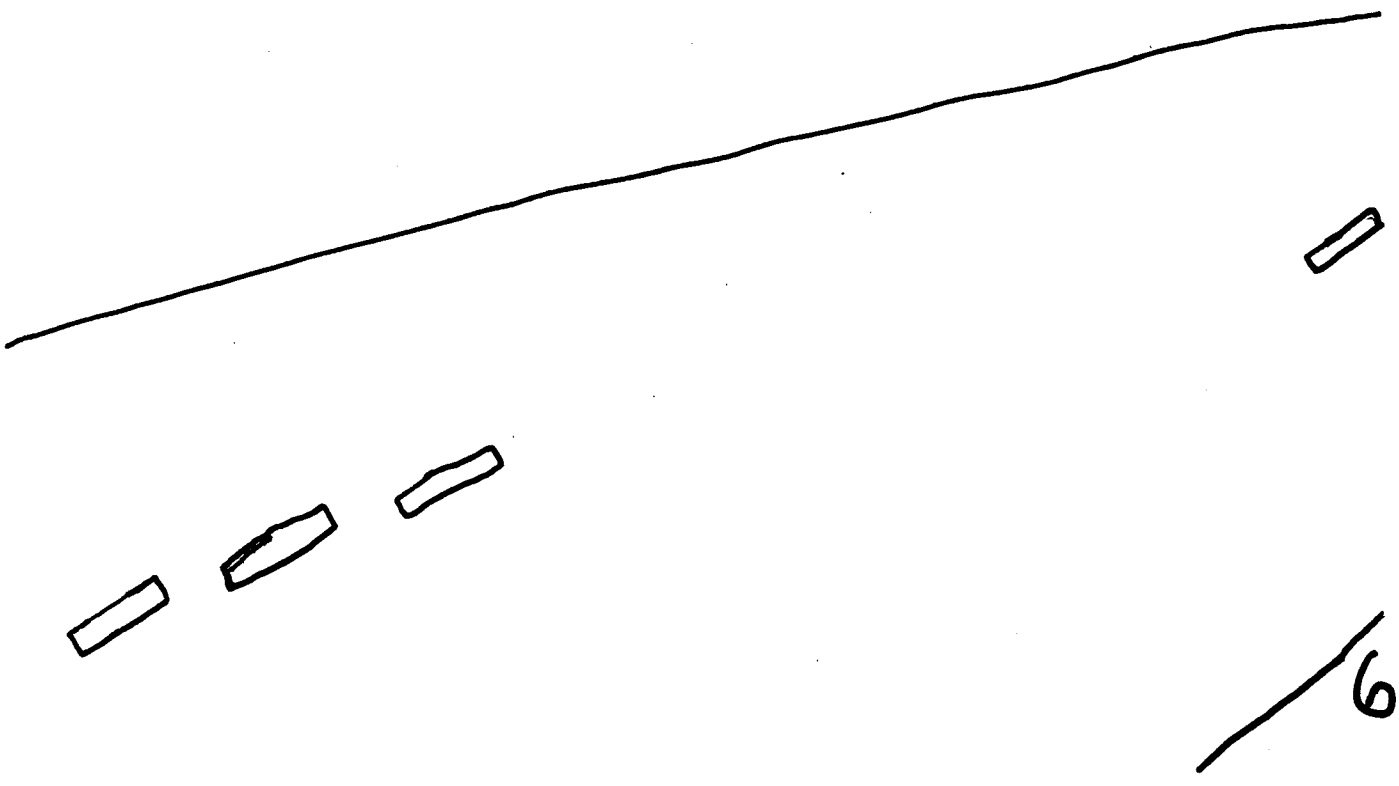
Find the typed words in the word search.

Riding your BICYCLE or WALKING helps prevent air Pollution. CARPOOLS help, too. TREES Can help because they put more OXYGEN in the air. ELECTRICITY doesn't put SMOG in the air that most cars and other things that burn gasoline do. This causes pollution.



Draw the rest of this pollution free world.

Below, draw a pollution prevention car.



6

Great Job!

Now You Are A Real Arizona Earth Kid!

First, decorate this badge. You can color it and write your name on the line.

Then, cut it out and tape it on your shirt.

Now, use what you learned in this book to protect your Earth from air pollution!

I am an Arizona Earth kid.

_____

This booklet was provided by the Arizona Department of Environmental Quality, and was made by 12 year old Rachel Alter from Phoenix.

ADEQ
Arizona Department
of Environmental Quality

1110 W. Washington St., Phoenix, AZ 85007
(602) 771-2300 • (800) 234-5677 • TDD (602) 771-4829
Web site:azdeq.gov

printed on recycled paper