

Air Pollution = Dirty Air

Ground-level ozone is a pollutant that forms in the air when people drive their cars. Chemicals react to the UV rays of the sun to create ozone. The ozone high in the sky is "good" and protects us from the sun's harmful UV rays. Ozone at ground level is "bad" to breathe and can damage the lungs. We see higher levels of ozone in Tucson during spring and summer. **YOU can help reduce air pollution!**

Solve the Air Quality Code!

DIRECTIONS: Use your math skills to add or subtract the numbers to find out what number is matched with each letter! Then put the letter on the line below to solve the Air Quality Code!

$9 + 7 = \underline{\quad} = E$	$14 - 6 = \underline{\quad} = D$	$16 + 5 = \underline{\quad} = L$
$13 - 4 = \underline{\quad} = W$	$12 - 7 = \underline{\quad} = A$	$12 - 10 = \underline{\quad} = C$
$9 + 9 = \underline{\quad} = N$	$7 + 7 = \underline{\quad} = T$	$6 + 7 = \underline{\quad} = B$
$7 + 8 = \underline{\quad} = O$	$15 + 5 = \underline{\quad} = I$	$19 - 9 = \underline{\quad} = R$
	$18 - 7 = \underline{\quad} = H$	

$\frac{9}{14}$	$\frac{16}{15}$	$\frac{5}{13}$	$\frac{21}{10}$	$\frac{21}{16}$	$\frac{18}{5}$	$\frac{16}{14}$	$\frac{16}{11}$	$\frac{8}{16}$
$\frac{2}{14}$	$\frac{21}{15}$	$\frac{16}{13}$	$\frac{5}{10}$	$\frac{18}{16}$	$\frac{5}{5}$	$\frac{20}{14}$	$\frac{10}{11}$	$\frac{16}{16}$



k

Fill in the Blank



r

r

u

l



o o

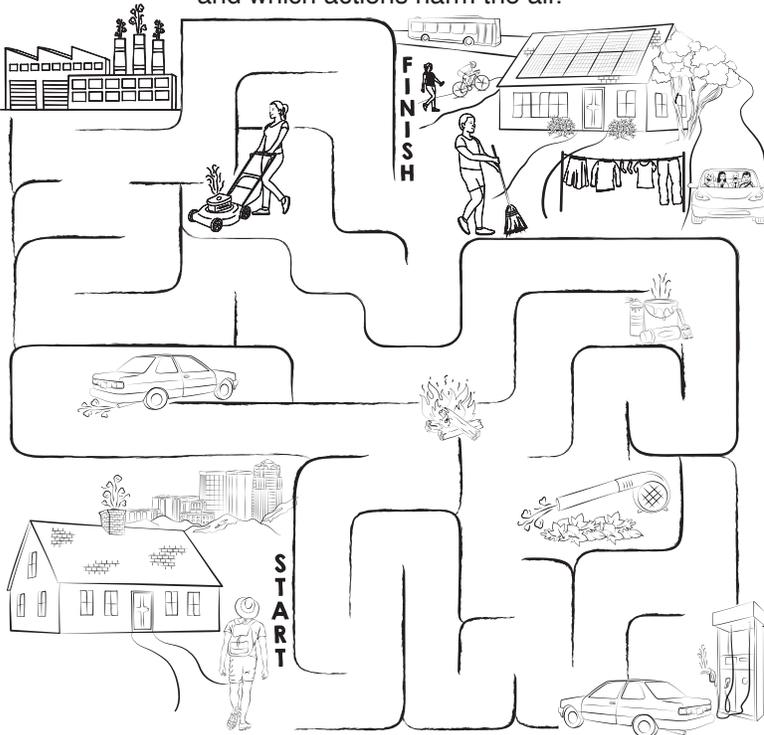
Word Bank

bike
car
idle
breathe
carpool
streetcar
bus
drive
walk

Answers from top to bottom: bike, bus, streetcar, walk, carpool

Find your way to a MAZEing clean air!

Discuss with an adult which actions help the air and which actions harm the air.

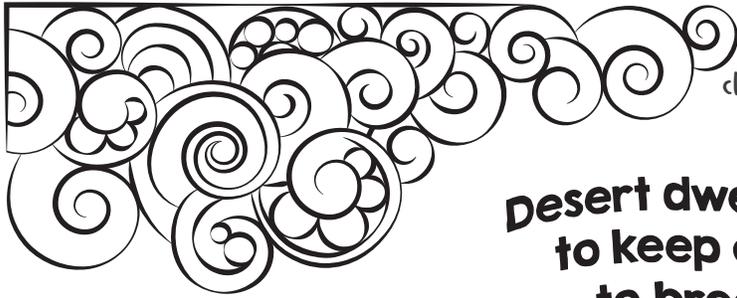


Air Quality Word Search

Words can be up, down, sideways and diagonal. Can you find bonus words too?

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

AIR
BICYCLE
BREATHE
BUS
CARPOOL
CLEAN
CONSERVE
HEALTHY
MOUNTAIN
OZONE
POLLUTION
RECYCLE
REDUCE
WALK



clouds

air



sun

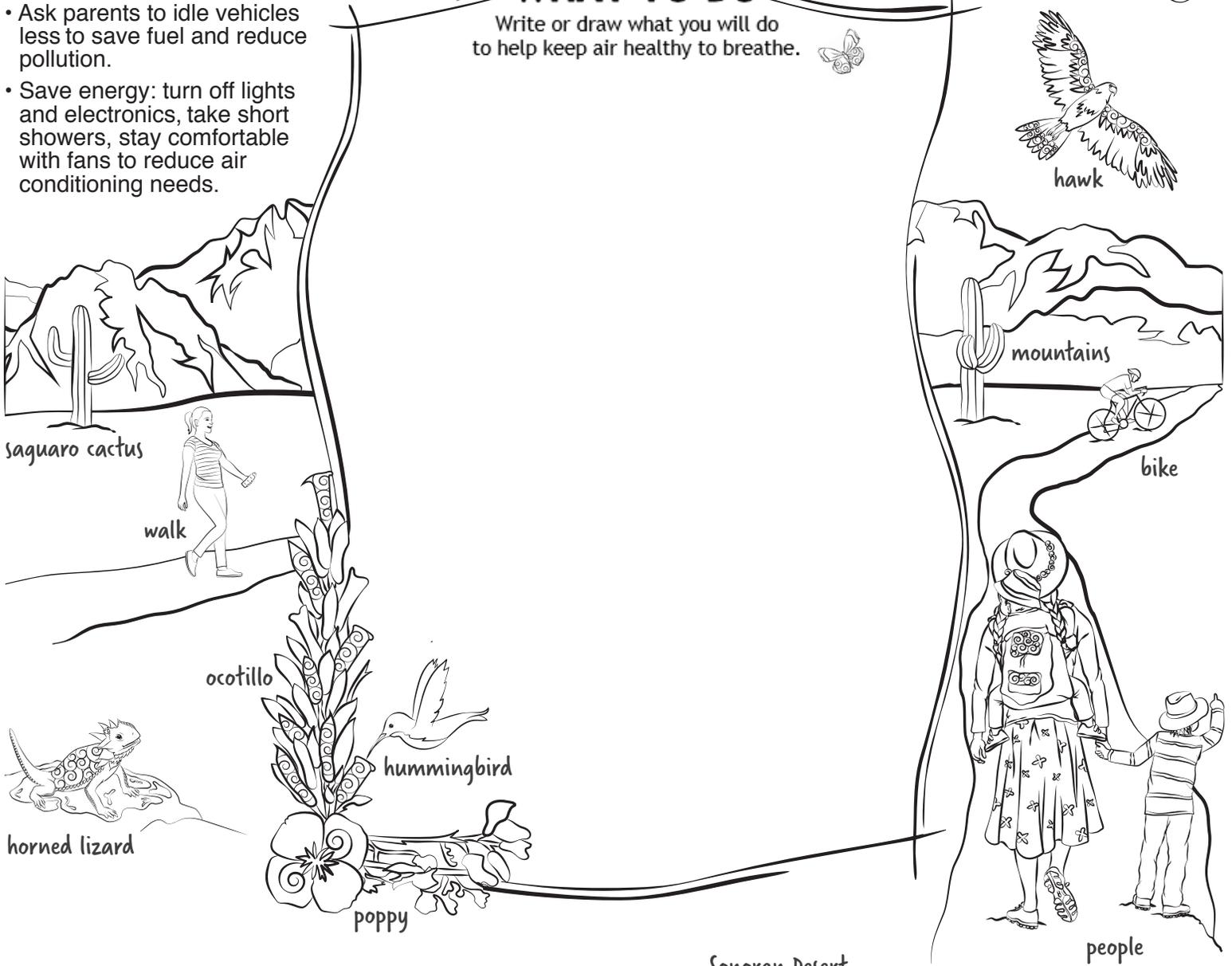
Desert dwellers know ways to keep our air healthy to breathe! Do you?

Healthy Air Is In Our Hands:

- Use cars less: take the bus, bike, walk, or share rides. *(Fun fact: baby scorpions share rides with their mom!)*
- Ask parents to idle vehicles less to save fuel and reduce pollution.
- Save energy: turn off lights and electronics, take short showers, stay comfortable with fans to reduce air conditioning needs.

WHAT TO DO

Write or draw what you will do to help keep air healthy to breathe.



saguaro cactus

walk

ocotillo

hummingbird

horned lizard

poppy

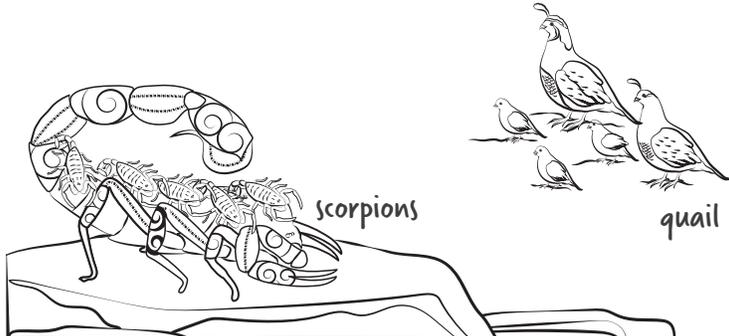
mountains

bike

hawk

Sonoran Desert

people



scorpions

quail

Partnering for vibrant lives and a healthy planet.



Artwork by Karin Mellin of K.Mel Designs