



UAECOCAR

2020 PUZZLE BOOK

ROAD TO THE FUTURE

WHAT IS ECOCAR?

The EcoCAR Mobility Challenge is a four-year competition where teams from 11 different universities across the country work to improve the energy efficiency, safety and consumer appeal of the 2019 Chevrolet Blazer. While The University of Alabama EcoCAR team loves working in the lab to engineer a better Blazer, they also love working with students in Alabama schools to promote the importance of science, technology, engineering and math education. EcoCAR team members put together this book of fun puzzles and activities for local students to show how exciting learning can be. Check out these math, language and art activities, and tag us in your completed pages on social media!



AUTONOMOUS ACROSTIC POEM

While EcoCAR is an engineering competition, all our team members stay sharp by engaging with all academic disciplines. From music to writing, a holistic education makes for the best STEM students and the best members of our team.

Let's play with the artistic side of our brains! An acrostic poem is a where a word is written vertically, with each letter forming a new poem line. These poems can describe the chosen word, tell a story, and more! For this activity, let's use vivid imagery and creative language to make a poem from our team's favorite word, Blazer.

B
L
A
Z
E
R



MOBILITY CHALLENGE

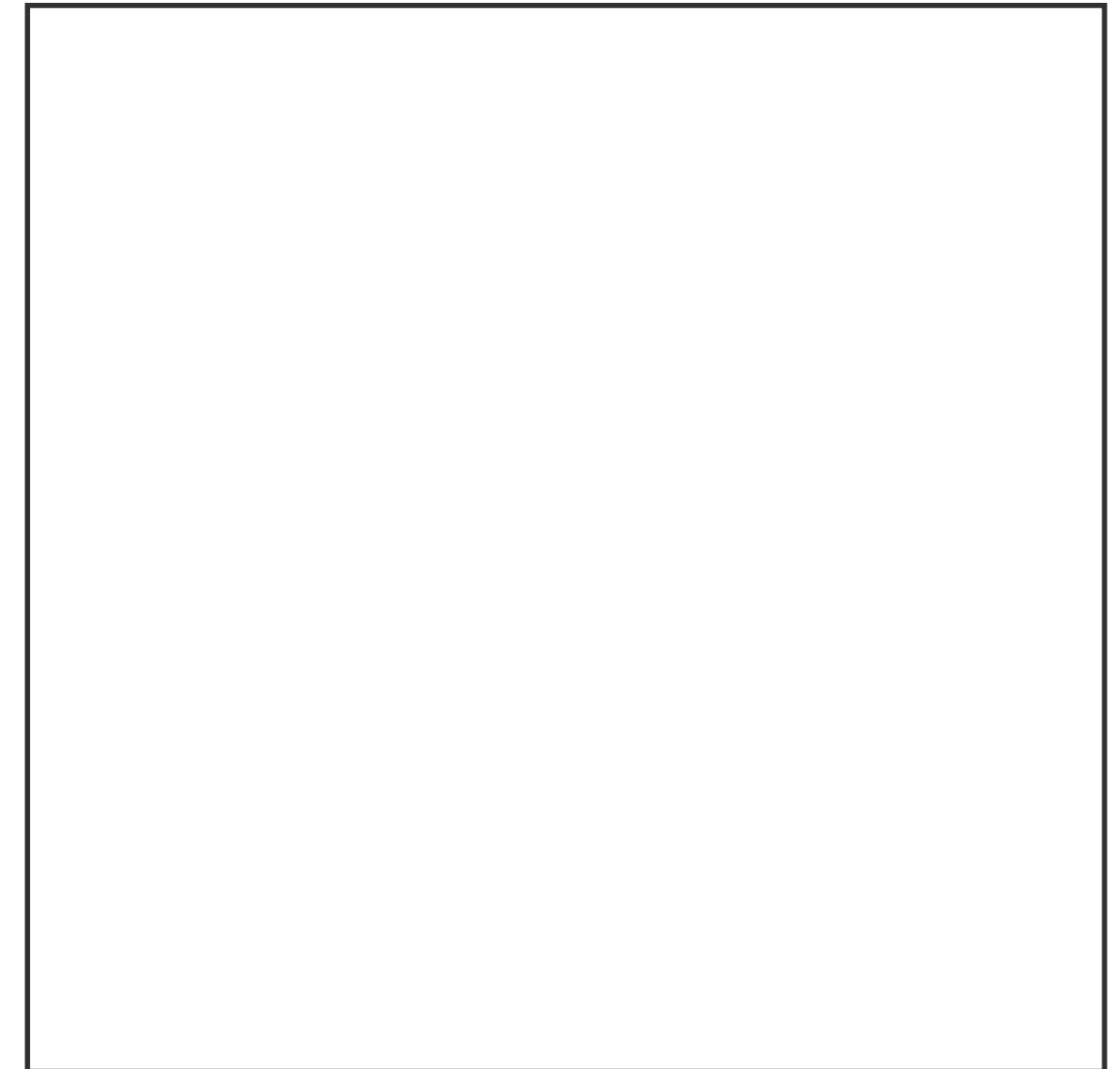
WORD SEARCH

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

AUTONOMOUS
 ALABAMA
 VEHICLE
 ENGINEER
 ECO-FRIENDLY
 CHEVY
 ECOCAR
 HYBRID
 BLAZER
 COMPETITION

BUILD YOUR OWN DREAM CAR

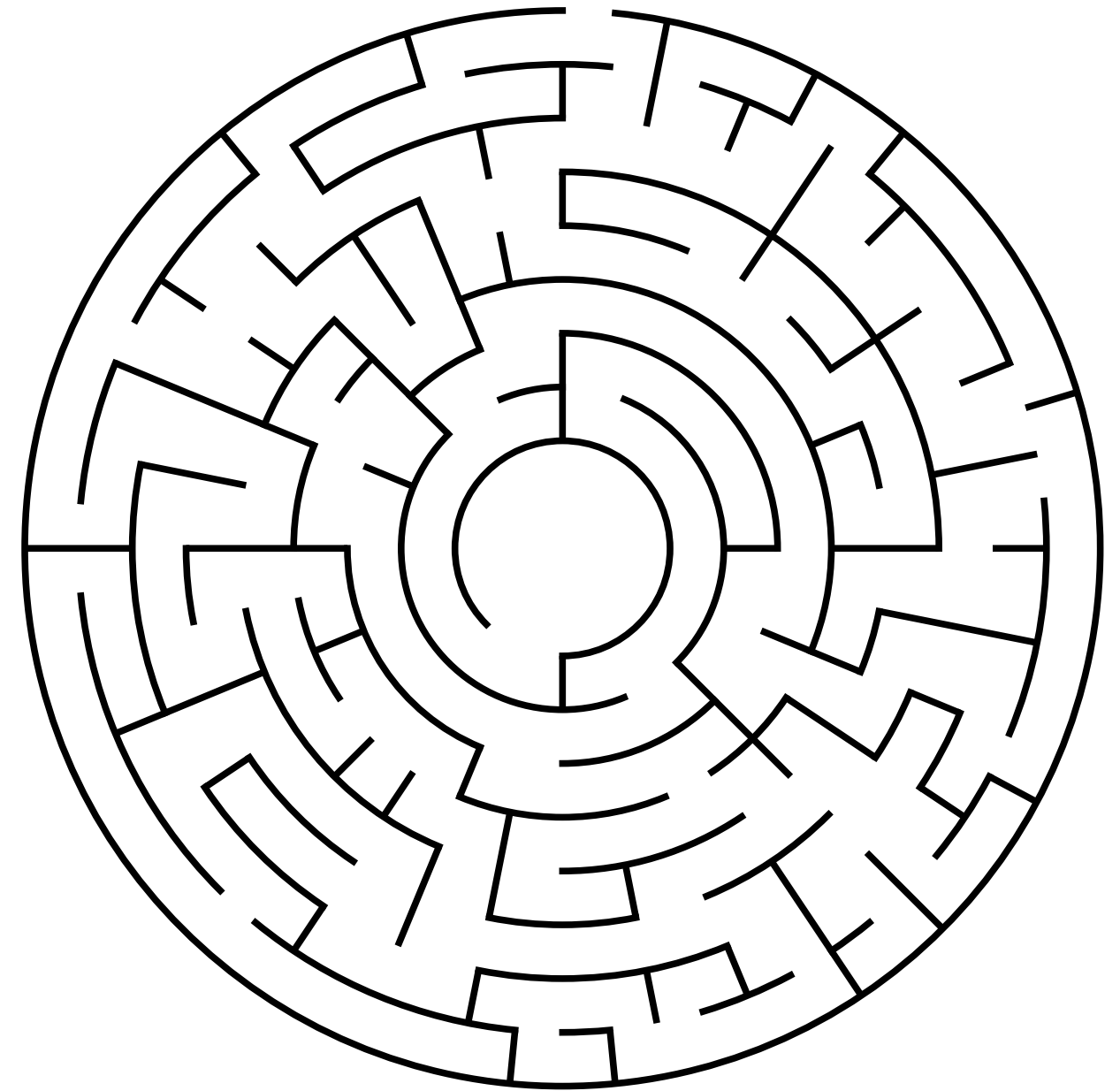
KEEP IN MIND THESE TERMS
HYBRID ECOFRIENDLY AUTONOMOUS



ECOCAR SUDOKU

	4	2	7			3		
3		8			4			9
1	5			9	8			
5				7			3	
6	2	9				7		
								5
		5	8			4		7
		3	9	4				8
8		4						

RACETRACK MAZE



ECOCAR MAD LIBS

HOW TO ENGINEER THE COOLEST CAR: AN ECOCAR MAD LIBS PAGE

Engineering the best Chevy Blazer is easy. All you need is a ___(item)___, a smidge of ___(emotion)___ and lots of ___(noun)___.

With the help of your teammates, anyone can be an engineer! Our team members wake up early, leave their ___(room in house)___ and head to the lab. On the way to campus, they stop at ___(fast food establishment)___ and order ___(food)___ and ___(drink)___.

While driving, the team passes a ___(animal)___ on the Quad. It looks exactly like Big ___(name)___, The University of Alabama's mascot. In the lab, the team gets to work. First, they have to fix the car's ___(nonsense word)___.

To fix this, they use a ___(kitchen utensil)___ to tighten the ___(color)___ gear by turning ___(direction)___.

When they have successfully fixed this, they take a lunch break. For lunch, the team has ___(color)___ ___(food item)___ from ___(restaurant)___.

___(Actor's name)___ eats ___(number)___ ___(dessert)___, while ___(athlete's name)___ drinks ___(number)___ ___(drink)___.

During lunch, ___(actress' name)___ and ___(musician's name)___ suggest that the team play games. Some of the team members play ___(game)___, while others work together to complete a ___(number)___ piece puzzle of ___(location)___.

Once everyone is full and ___(emotion)___, they get back to work. The last item on the agenda is to clean the car for a competition. They use a ___(item found in a hospital)___ to scrub the ___(part of a car)___.

They use a ___(item found in a classroom)___ to wipe down the ___(different part of a car)___.

After they finish cleaning, they hang a ___(color)___, ___(object in nature)___-shaped air-freshener that smells like ___(scent)___.

With that finishing touch, they are done for the day! After a long day in the lab, everyone goes to ___(president's name)___ house to watch ___(movie or TV show)___.

The team is a big happy family, and they all ___(emotion)___ each other.



ECOCAR WORD SEARCH CHALLENGE

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

BLAZER
CHEVY
GARAGE
ECOFRIENDLY
CHALLENGE
ENGINEERS
STEM
ROLLTIDE
ELECTRIC
AUTOMATIC
TEAMWORK



