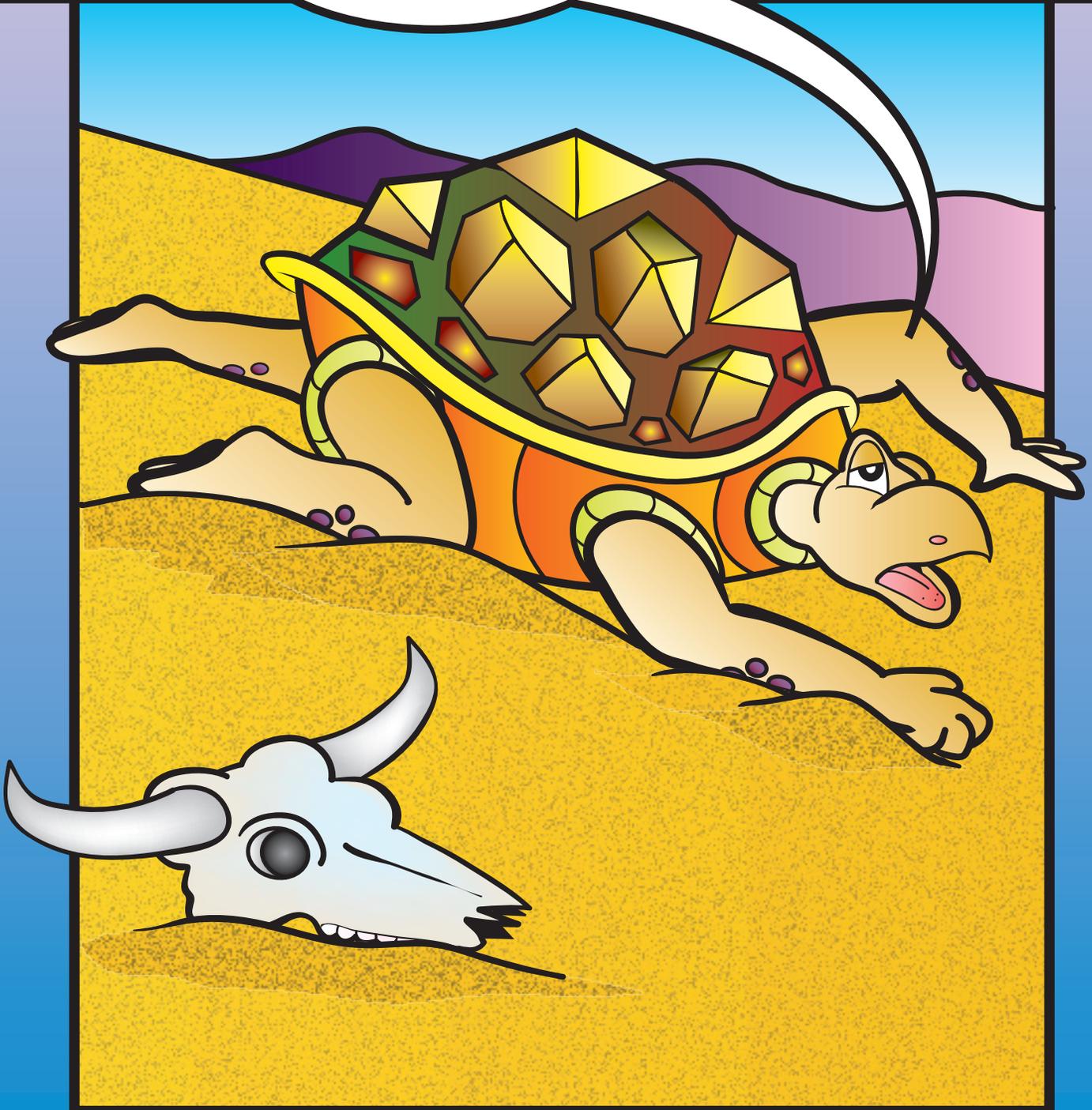


Tutor Tortoise says:

We need **water** to live in a desert



An information & activities book for curious kids

Be water safe-Be a water saver

Coachella Valley Water District

www.waterfun4kids.org



In 1849, after gold was discovered in California, thousands of gold miners, called "49ers", chose to follow the southern route to the gold fields. They had to cross hundreds of miles of dry, barren, scorching wastelands. There was little or no water along the way and more than a few died crossing the deserts of the Southwest.

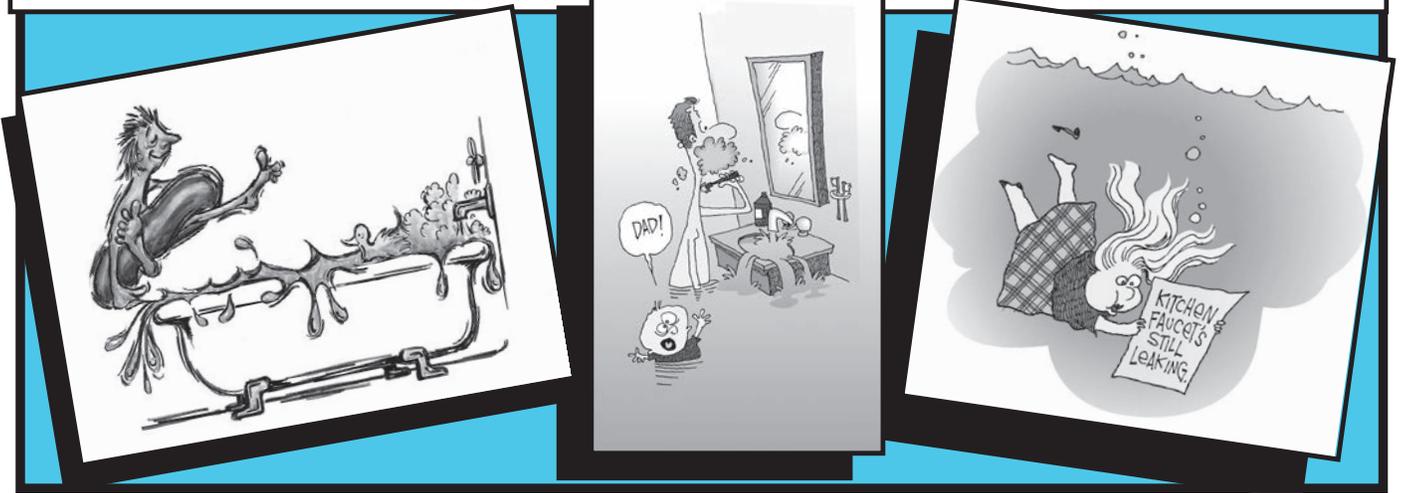
People were determined to tame the wild deserts. Wells were drilled, railroads were constructed, canals were built, and towns and farms began to grow and flourish. Water turned the deserts green.



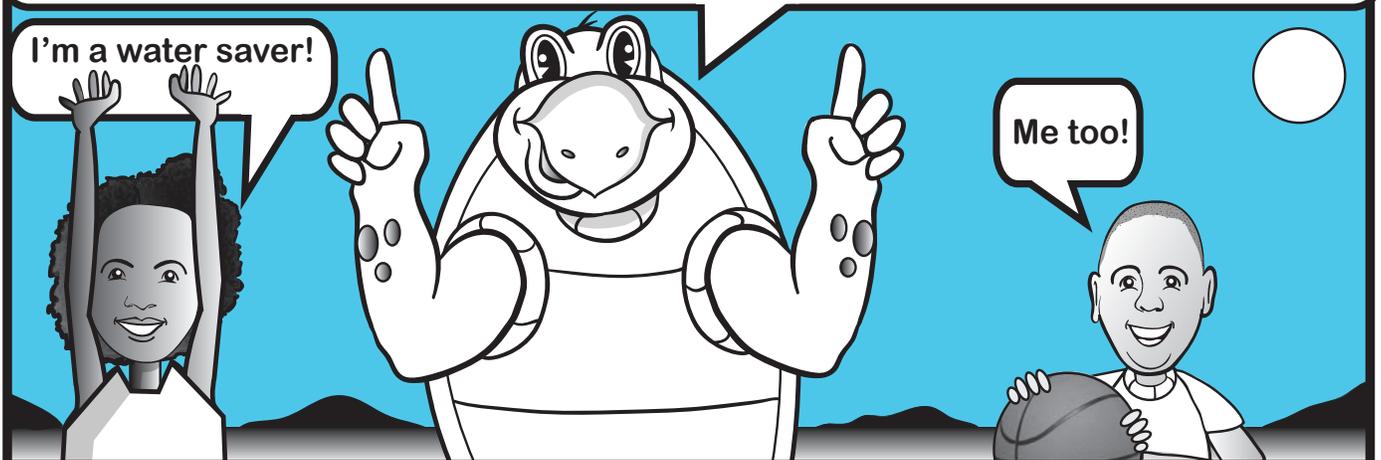
When we say we love the desert, we usually mean “I love the farms, the golf courses, the restaurants, the shopping, the beautiful parks, the soccer fields and the air conditioning in our homes.” These things are wonderful, but they wouldn’t exist without water. We need WATER to live in a desert!



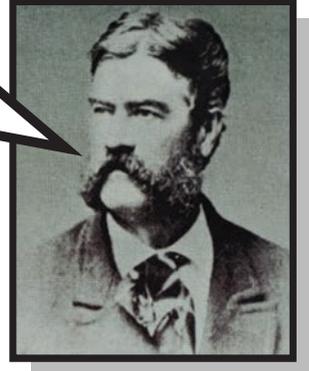
When people thought they had tamed the deserts, it became obvious that a desert could be a good place to live. People celebrated by using water as if there was no end to its supply.



Today we know that the desert really can never be tamed, and it’s foolish to waste water, because fresh water is a limited supply. So remember, saving water helps to save our desert too. Do our desert a favor, be a water saver!



Hi, remember me? I'm Dr. Wozencraft, the guy who first thought up the idea to build canals through the deserts of Southern California. Today canals stretch for hundreds of miles across the state. Sadly, I never was able to see my canal built. Maybe you could help me figure out this maze. I'm trying to connect the Colorado River to a canal on the otherside of the desert. Traveling across the desert can be confusing and dangerous. Stop at each waterhole (blue dot) along the way and you will cross the desert safely. Good luck.



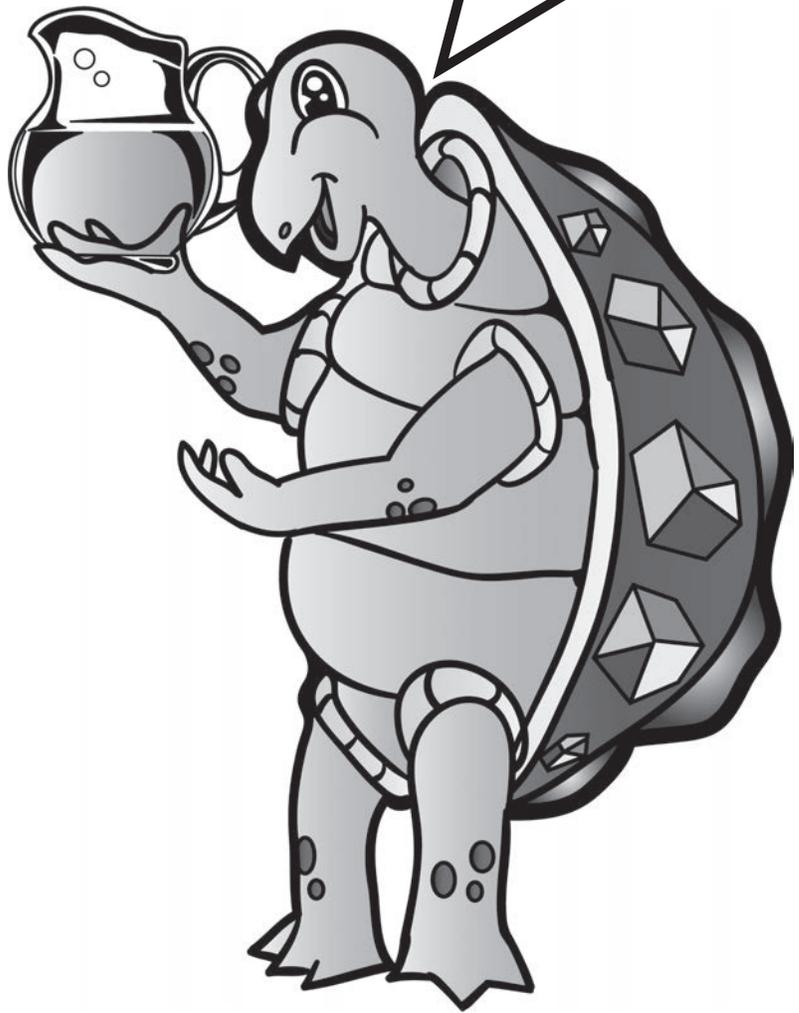
A large square maze with a black border. On the left side, a blue wavy shape represents the Colorado River, with the words "C O L O R A D O" and "R I V E R" written vertically in black. A line labeled "Start" enters the maze from the river. On the right side, a blue horizontal line represents the "Finish Canal". Inside the maze, there are 12 small blue dots representing waterholes. The maze is a complex grid of black lines forming a path through a desert.

Finish
Canal

If you solve this puzzle you will see, saving water is as easy as 1,2,3.

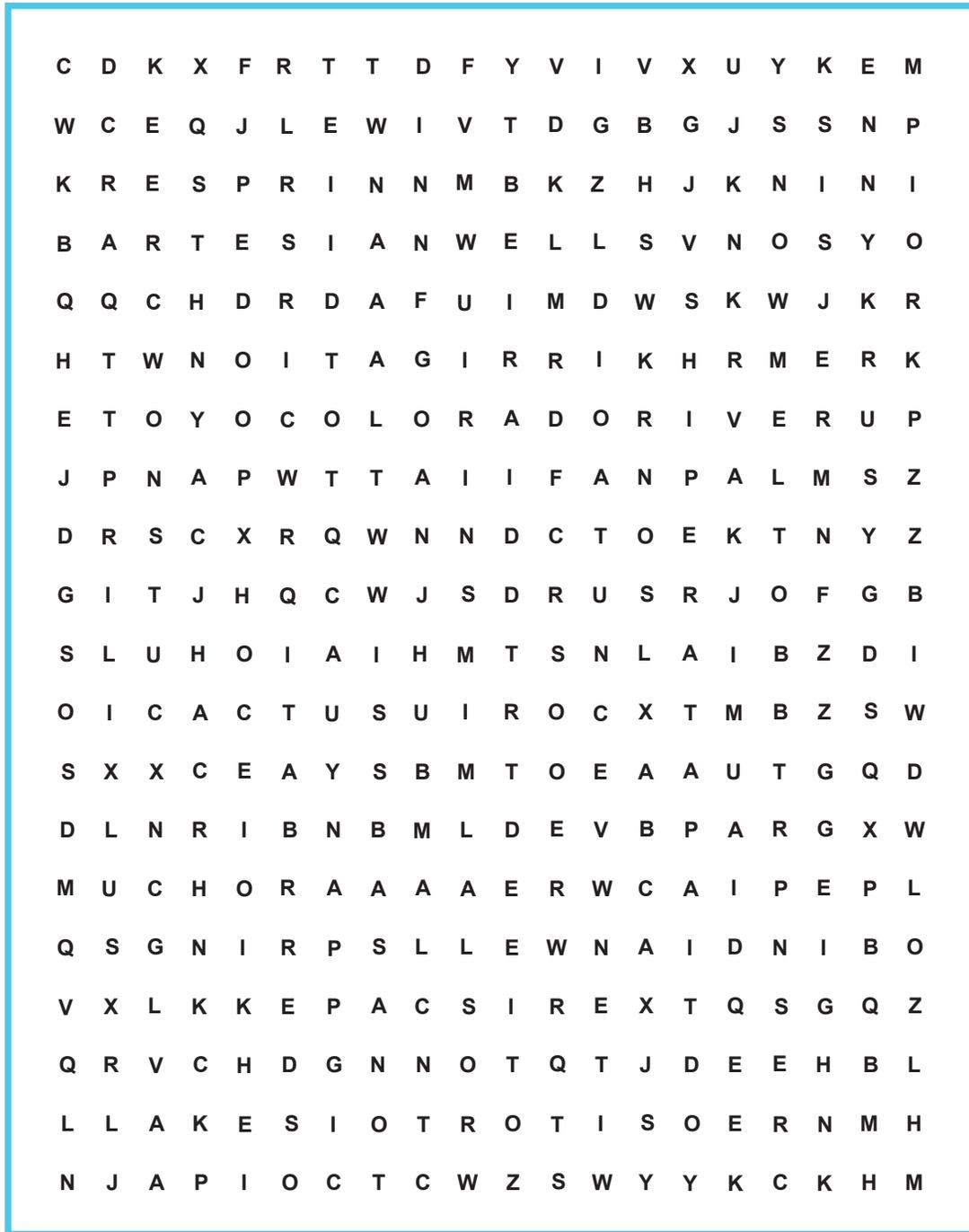
A	9
B	22
C	10
D	2
E	16
F	17
G	23
H	1
I	26
J	5
K	11
L	3
M	15

N	19
O	21
P	12
Q	7
R	4
S	6
T	14
U	13
V	8
W	18
X	20
Y	24
Z	25



T 14 13 4 19 21 17 17 T 14 1 16 18 9 T 14 16 4 18 1 16 19 24 21 13
 22 4 13 6 1 24 21 13 4 T 14 16 16 T 14 1 ● 12 13 T 14 6 12 4 9 24
 19 21 25 25 3 16 6 21 19 24 21 13 4 1 21 6 16 6 ● T 14 13 4 19
 21 17 17 24 21 13 4 6 12 4 26 19 11 3 16 4 6 18 1 16 19 26 T 14
 4 9 26 19 6 ● T 14 9 11 16 6 1 21 4 T 14 16 4 6 1 21 18 16 4 6 ●
 2 21 19 T 14 17 3 13 6 1 T 14 4 9 6 1 2 21 18 19 T 14 1 16
 T 14 21 26 3 16 T 14 ● G R A 23 4 9 6 6 19 16 16 2 6 9 3 21 T 14 21 17
 18 9 T 14 16 4 22 13 T 14 2 16 6 16 4 T 14 12 3 9 19 T 14 6 2 21
 19 21 T 14 ● 4 16 12 3 9 10 16 6 21 15 16 G R A 23 4 9 6 6 18 26 T 14 1
 2 16 6 16 4 T 14 12 3 9 19 T 14 6 ●

Hidden Water

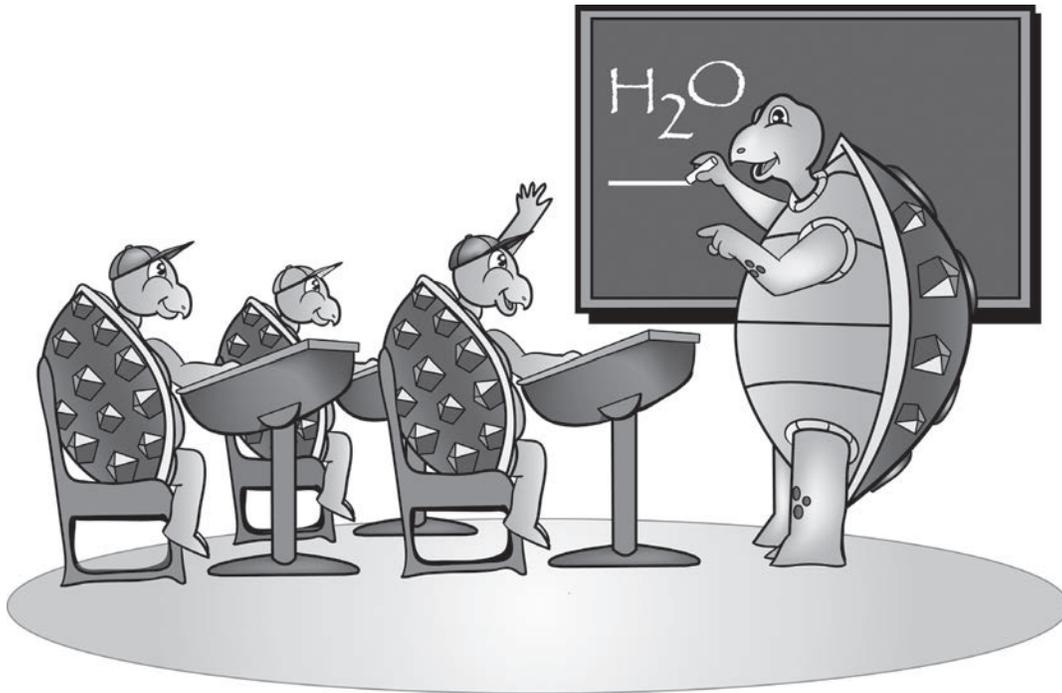


To solve this word-search puzzle you must analyze the letters closely. Words can go forwards, backwards diagonally, and even over lap other words. Use a highlighter to highlight the words as you find them.

AGRICULTURE
ARTESIANWELLS
CACTUS
CANALS
COLORADORIVER
CONSERVATION
COYOTE
DESERTLANDSCAPING
FANPALMS
INDIANWELLS
IRRIGATION
JACKRABBIT
XERISCAPE

LAKES
OASIS
PONDS
RAINWATER
ROADRUNNER
SALTONSEA
SNOWCREEK
SNOWMELT
SPRINGS
STREAMS
TORTOISE
WHITewater

It's Tutor Tortoise's Brain Drain!

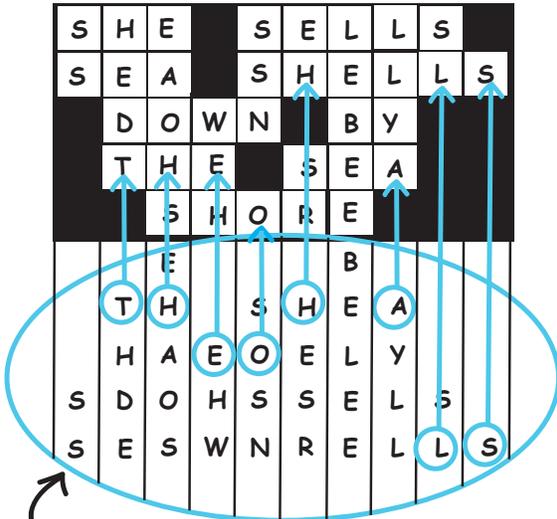


Match the numbered term to its definition.
Fill in the blank boxes with the correct numbers.
If you need help use a dictionary, computer or ask a friend.

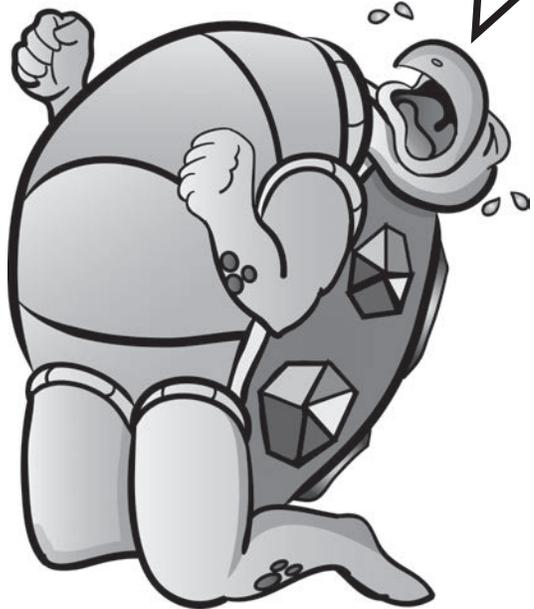
AGRICULTURE	<input type="checkbox"/> 1	<input type="checkbox"/> 8	Man-made rivers that carry water, dangerous to be around.
XERISCAPE (Pronounced "Zeer-ah-scape")	<input type="checkbox"/> 2	<input type="checkbox"/>	These allow water to shoot out of the ground
CALIFORNIA FAN PALM TREE	<input type="checkbox"/> 3	<input type="checkbox"/>	A cool refreshing place with water and shady trees in the middle of a hot, dry desert.
IRRIGATION	<input type="checkbox"/> 4	<input type="checkbox"/>	Saving and protecting things like water and the environment.
OASIS	<input type="checkbox"/> 5	<input type="checkbox"/>	Supplying plants and trees with water.
CONSERVATION	<input type="checkbox"/> 6	<input type="checkbox"/> 2	Landscaping with plants that use very little water.
ARTESIAN WELLS (Pronounced "Are-tee-shun")	<input type="checkbox"/> 7	<input type="checkbox"/>	The science and art of farming.
CANALS	<input type="checkbox"/> 8	<input type="checkbox"/>	The only Palm Tree native to the United States.

Oh No! It's the dreaded Fallen Phrase Puzzle!

HOW TO SOLVE A FALLEN PHRASE PUZZLE:



All of these letters down here go into the columns above them. Put the right letter below into the right square above and you will reveal the fallen phrase.

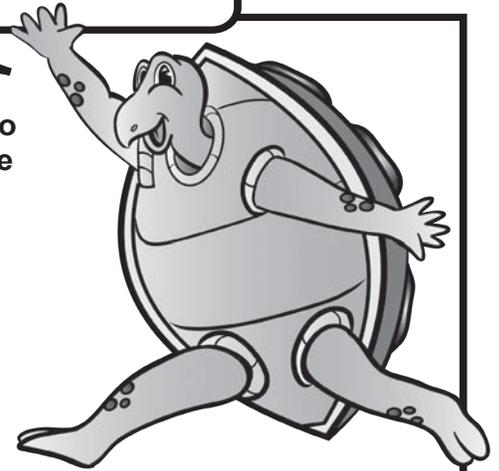


Now try to solve this fallen phrase on your own. Some of the letters have already been placed for you. The phrase is a famous water quote from Benjamin Franklin out of his popular farm manual "Poor Richard's Almanac". The phrase was first printed in 1746.

W	H		N		T	H	E
W		L	L		I		
	R	Y			W		
K			W			H	E
W	O		T	H		O	
	W				R		
D	W	A	T	H	W	O	E
W	N	E	T	E	I	H	F
W	O	Y	N		R	E	E
W	R	R	L		T	H	
K	E	O	W		T	S	
	H	L					

Hooray! It's time for Mad Libs!

Choose a partner that has not seen this page. Look at the blank spaces in the story. If a blank space reads (verb), say to your partner, "give me a verb." Write the word down they give you in the blank space. Continue this process until all of the blank spaces are filled. Then, read your goofy Mad Lib back to your partner. There are no right or wrong answers.



Noun	A noun is a PERSON, PLACE or THING Examples: policeman, library, hubcap, burrito
Verb	A verb is an ACTION WORD. Examples: scream swim, burp, dig, boogie, sing, bake, snore
Adjective	An adjective describes a noun. Let's say the noun is "car." An adjective describes the car. Examples: red, cool, cheap, loud, smelly, rusty, funny, ugly, flimsy, shiny, fast, gross
Adverb	An adverb describes a verb. Adverbs usually end with "ly". Examples: stupidly, foolishly, clumsily, goofily, accidentally, dreamily, coolly
Plural Noun	A plural noun is more than one person, place or thing. It's people, places and things. Examples: hotdogs, computers, parents, pets, clouds

A Liquid	Examples: water, gasoline, soda, motor oil, vinegar
A Number	Examples: 5, 10, 50, 1,000 one billion, eight trillion
An Illness	An illness is a sickness or a disease. Examples: Rabies, Insanity, Chicken Pox...

How To Brush Your Teeth

In order to brush your teeth _____, you must wet your _____ in warm

(adverb)

(noun)

_____. Then, _____ it across your teeth _____ times.

(a liquid)

(verb)

(a number)

This will wash off any remaining _____. When you are done you should

(plural noun)

_____ the toothbrush in _____ water to clean it. You should also rinse

(verb)

(adjective)

your teeth with _____ to help keep them smooth and shiny. This will also keep

(a liquid)

away _____. Don't worry, it is normal to experience _____ the first

(plural noun)

(an illness)

time you try this. Consult your dentist if you break out in _____. This works

(plural noun)

good on your _____ too! Oh, also, don't forget to turn off the water when

(noun)

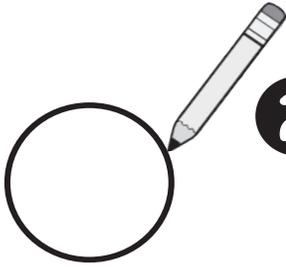
you _____ your teeth. Do the desert a favor and be a _____ saver!

(verb)

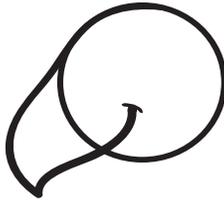
(noun)

How to draw Tutor Tortoise

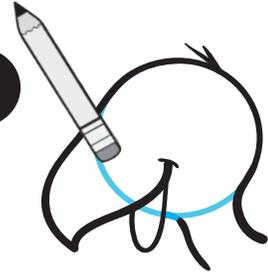
1



2



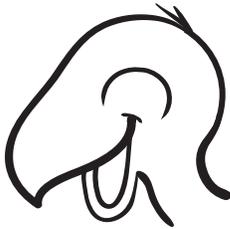
3



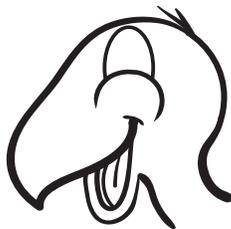
Using a pencil, draw a circle. After you've finished step 6, you can trace over the pencil lines with ink if you like.

After you draw the lower lip and the neck, erase the blue part of the circle.

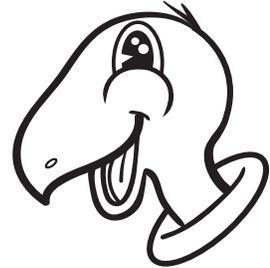
4



5



6



Answers To Puzzles

It's Tutor Tortoise's Brain Drain!

Match the numbered terms to the definition.

If you need help use a dictionary, computer or ask a friend.

Fill in the blank boxes with the correct numbers.

1	AGRICULTURE
2	PHONOSCOPE
3	CALIFORNIA PALM TREE
4	IRRIGATION
5	OASIS
6	CONSERVATION
7	ARTISIAN WELLS
8	CANALS

1. Waterways that carry water, dangerous to be around.
2. A device that allows water to shoot out of the ground.
3. Hand-cut trees in the middle of hot, dry desert.
4. A good refreshing place with water and shade.
5. A hot, arid region with little water.
6. Landscaping with plants that use very little water.
7. The science and art of forming Artesian Wells.
8. The long, thin canals that carry water to the United States.

Oh No! It's the dreaded Fallen Phrase Puzzle!

How to solve this fallen phrase puzzle: Some of the letters have already been placed for you. The phrase is a famous water quote from Benjamin Franklin out of his popular farm manual "Poor Richard's Almanac". The phrase was first printed in 1734.

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How to solve this fallen phrase puzzle: Some of the letters have already been placed for you. The phrase is a famous water quote from Benjamin Franklin out of his popular farm manual "Poor Richard's Almanac". The phrase was first printed in 1734.

Hidden Water

Find the words 'WATER' and 'TORTOISE' hidden in the grid.

Canals

Fill in the puzzle you will see. Solving water is as easy as 1, 2, 3!

1. The long, thin canals that carry water to the United States.
2. A device that allows water to shoot out of the ground.
3. Hand-cut trees in the middle of hot, dry desert.
4. A good refreshing place with water and shade.
5. A hot, arid region with little water.
6. Landscaping with plants that use very little water.
7. The science and art of forming Artesian Wells.
8. The long, thin canals that carry water to the United States.

World Land

Alfred Russel Wallace, a naturalist and geographer, was the first to propose the theory of evolution. He was a British naturalist and geographer who was a contemporary of Charles Darwin. He is best known for his theory of evolution, which he developed independently of Darwin's theory. He also proposed the concept of convergent evolution, which is the independent evolution of similar features in species of different lineages. He was a member of the Royal Society and the Linnean Society of London. He was also a member of the Cambridge Scientific Association and the Cambridge Philosophical Society. He was a member of the Cambridge Scientific Association and the Cambridge Philosophical Society. He was a member of the Cambridge Scientific Association and the Cambridge Philosophical Society.

Water Maze

Find the path through the maze to reach the turtle.

Go to www.waterfun4kids.org and try to beat Tutor Tortoise's high scores at "Games and Stuff"



Tutor Tortoise's High Scores:

Colorado River Boat Race: 3 laps in 33.65 seconds

Are You Smarter Than A Delta Smelt? 80%

Lake Cahuilla Fishing Adventure: 300 points

Tutor's Memory Challenge (level 9): 2,564 points

Be water safe-Be a water saver

Coachella Valley Water District

www.waterfun4kids.org

