

Dear WaterSmart Kids,

Hi! It's me, Pete, from Tucson Water. Over the years I've had so many fun roles: pirate, doctor, chef, explorer, coach, and even a superhero! Each summer I've been asked to play a new character to help teach you how to be WaterSmart and to "Beat the Peak." Things have changed over the years here in Tucson, and we need to remember that conservation isn't something to think about only in the summer time.

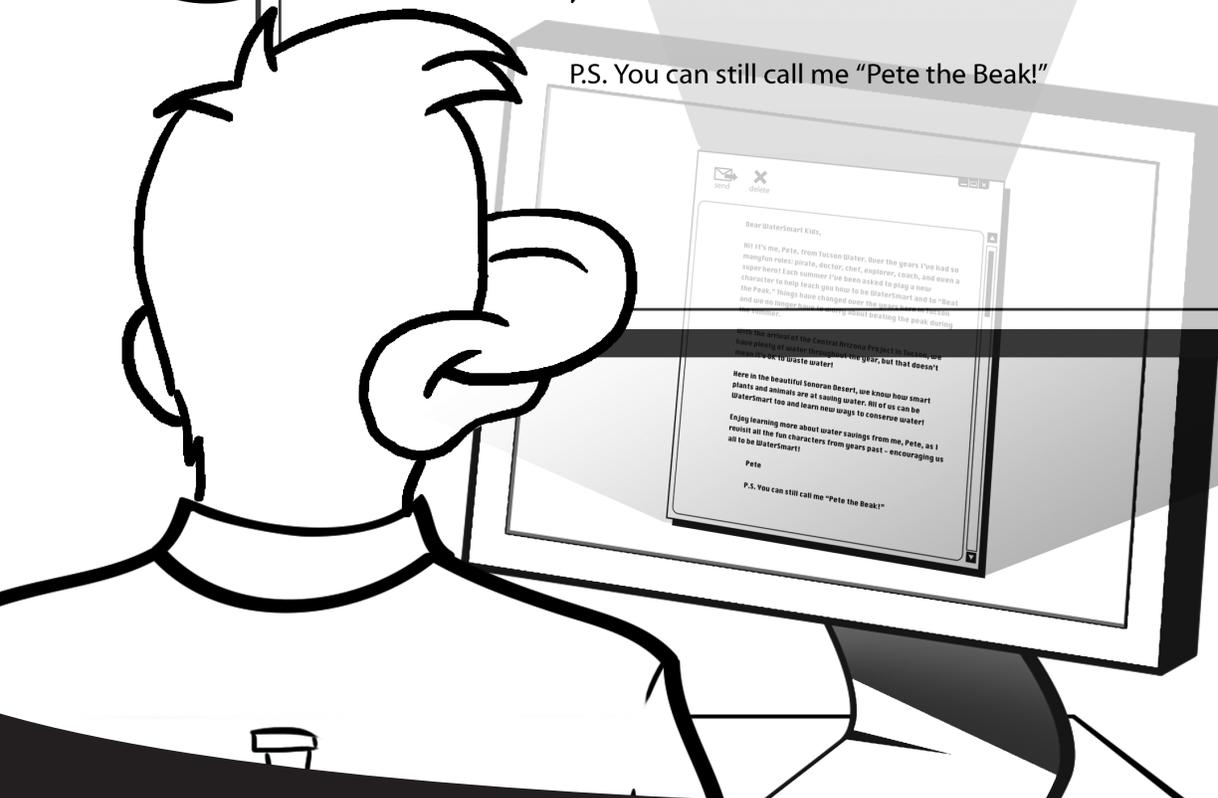
With the arrival of the Central Arizona Project, we now have water from the Colorado River and recycled water to supply our community. But that doesn't mean it's okay to waste water. Water in the desert is still limited.

Here in the beautiful Sonoran Desert, we know how smart plants and animals are at saving water. All of us can be WaterSmart too and learn new ways to conserve water!

Enjoy learning more about water savings from me, Pete, as we revisit many of the fun characters from years past - encouraging us all to be WaterSmart!

Pete

P.S. You can still call me "Pete the Beak!"



Look! What's that up in the sky?

NO! it's AQUA DUCK

I wonder what he's doing here. He only comes around when there's some kind of trouble.

Hi Kids! This is my new super hero sidekick, WATER LILY. She has amazing super powerful hydro vision.

It's a Harris hawk.

Hey Aqua Duck, what's up? And who's that with you?

She has the ability to see devious drips, faulty flows and liquid leaks.

It's a cactus wren.

Hola Water Lily! I'm Fernando.

I'm Mike.

Hi! I'm Cindy.

Hi Kids, we're here on a mission and we need your help!

CONSERVE WATER!

RIGHT! But we especially need to be on the lookout for that water wasting VILLAIN.

Summer's here. We use more water in the summer than at any other time of year. So we need to...

THE DRIBBLER!

You don't mean...

Panel 1: Cindy's face

Panel 2: Mike's face

Panel 3: Fernando's face

Panel 4: Aqua Duck's face

Panel 5: Water Lily's face

Oh no, what can we do?

We all need to keep our super hydro eyes open for signs of the DRIBBLER!

But we don't have hydro vision like you!

Well maybe not yet but I bet you can spot signs of the Dribbler if you know where to look. Come with us!

CAPTAIN PETE'S SECRET MESSAGE!

Unscramble the letters to find Captain Pete's secret message.

TEPE _ _ _ o o

MUSERM _ _ _ _ _ o _

NOODLOUB _ _ _ _ _ o _ _ _ _ _

PROD _ o _ _ _

NOSOMON _ _ _ _ _ o _ _ _ _ _

NRIA o o _ _ _

LEWL o _ _ _

PRID _ o _ _ _

ARTEPI _ o _ _ o o _

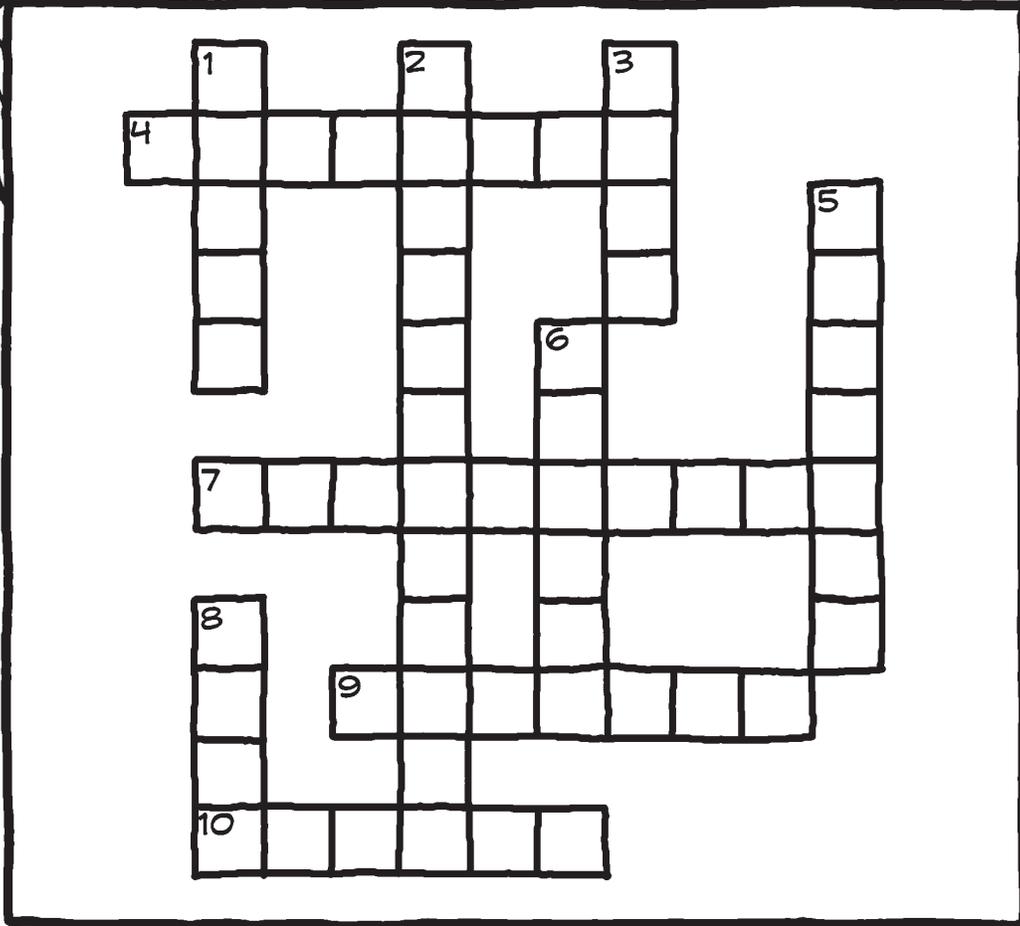
RAVITNONOESC
_ _ _ o _ _ _ _ _ o _ _ _



Now unscramble the circled letters to reveal Captain Pete's secret message below:

_____ - _____ !

WATER WORDS



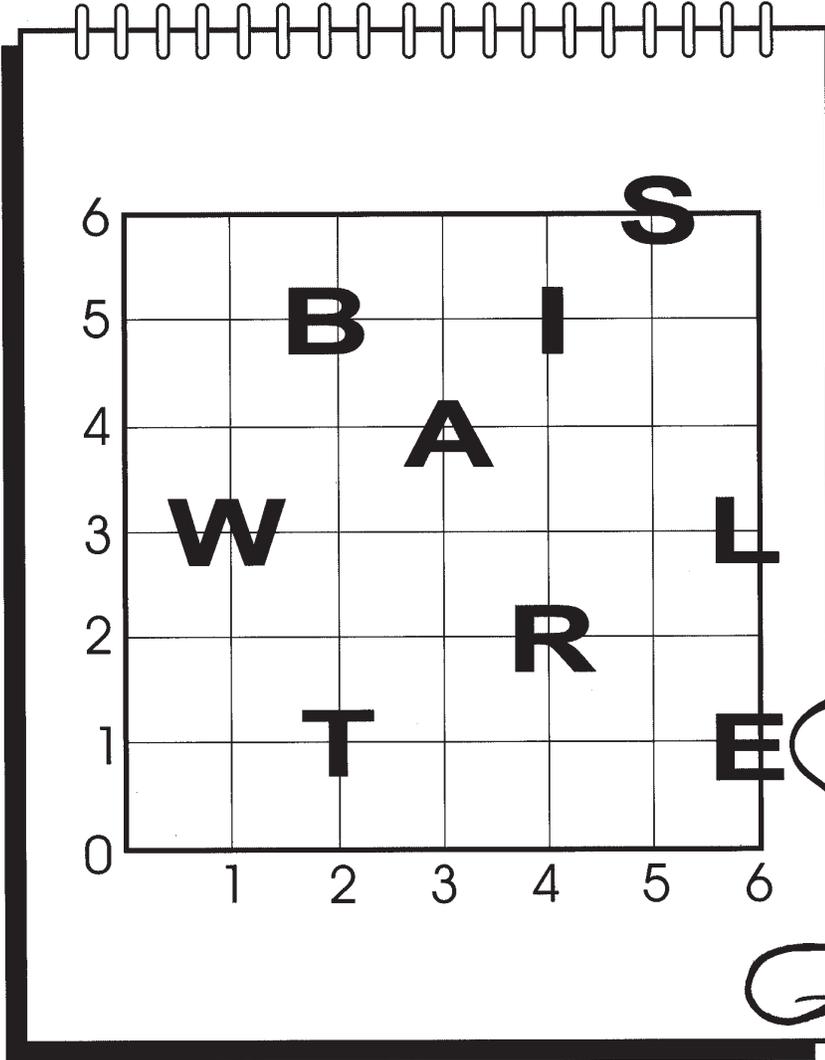
ACROSS

4. Our water use needs an extreme _____!
7. Using rain water instead of letting it flow away is called water _____.
9. Rain water harvested from a roof may be stored in a _____.
10. Watering landscape _____ at night saves water.

DOWN

1. _____ is a limited resource.
2. Water _____ means saving water.
3. _____ water from a washing machine or shower can be used on landscape plants.
5. A _____ is a period with very little rain.
6. Saving water is extra important here in the _____.
8. _____ irrigation uses less water than sprinklers.

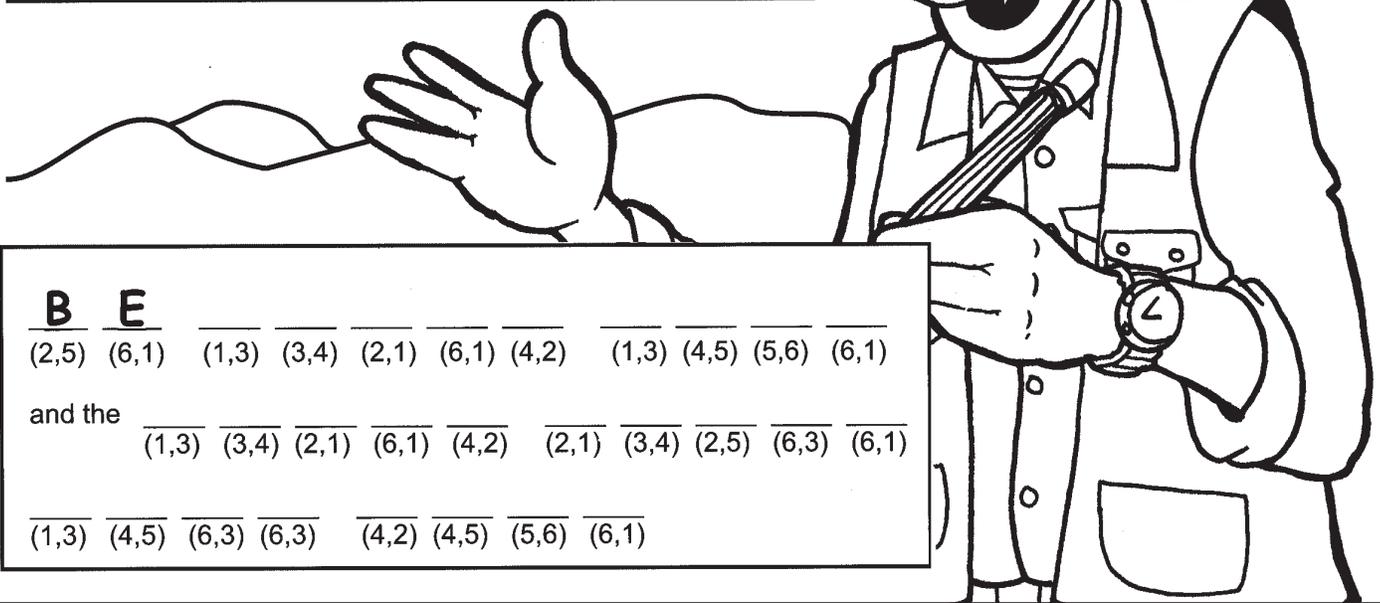
Jebediah's Message



My grandfather Jebediah's message still holds true today! What is it? Solve this puzzle to find out.

To find each letter, count across the grid first, then count up.

Example: For the first letter (2,5), go across two and up five. The letter is "B."

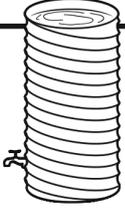


B **E**
 (2,5) (6,1) (1,3) (3,4) (2,1) (6,1) (4,2) (1,3) (4,5) (5,6) (6,1)
 and the (1,3) (3,4) (2,1) (6,1) (4,2) (2,1) (3,4) (2,5) (6,3) (6,1)
 (1,3) (4,5) (6,3) (6,3) (4,2) (4,5) (5,6) (6,1)

Rainwater HARVESTING

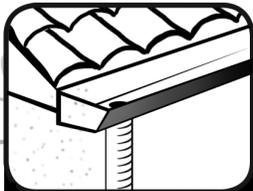
In the scene below, draw the different rainwater harvesting items where they might belong around the house.

Cistern



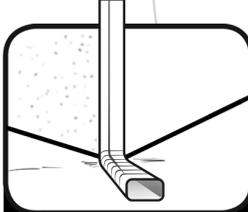
A large container to store collected rainwater.

Rain Gutter



Catches rain water from the roof and channels it to the downspout.

Downspout



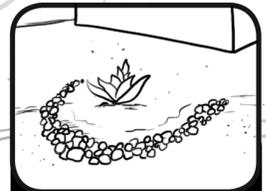
Channels rainwater from the rain gutters down from the roof into a cistern or out away from the house where it can be soaked up by plants.

Desert Plants

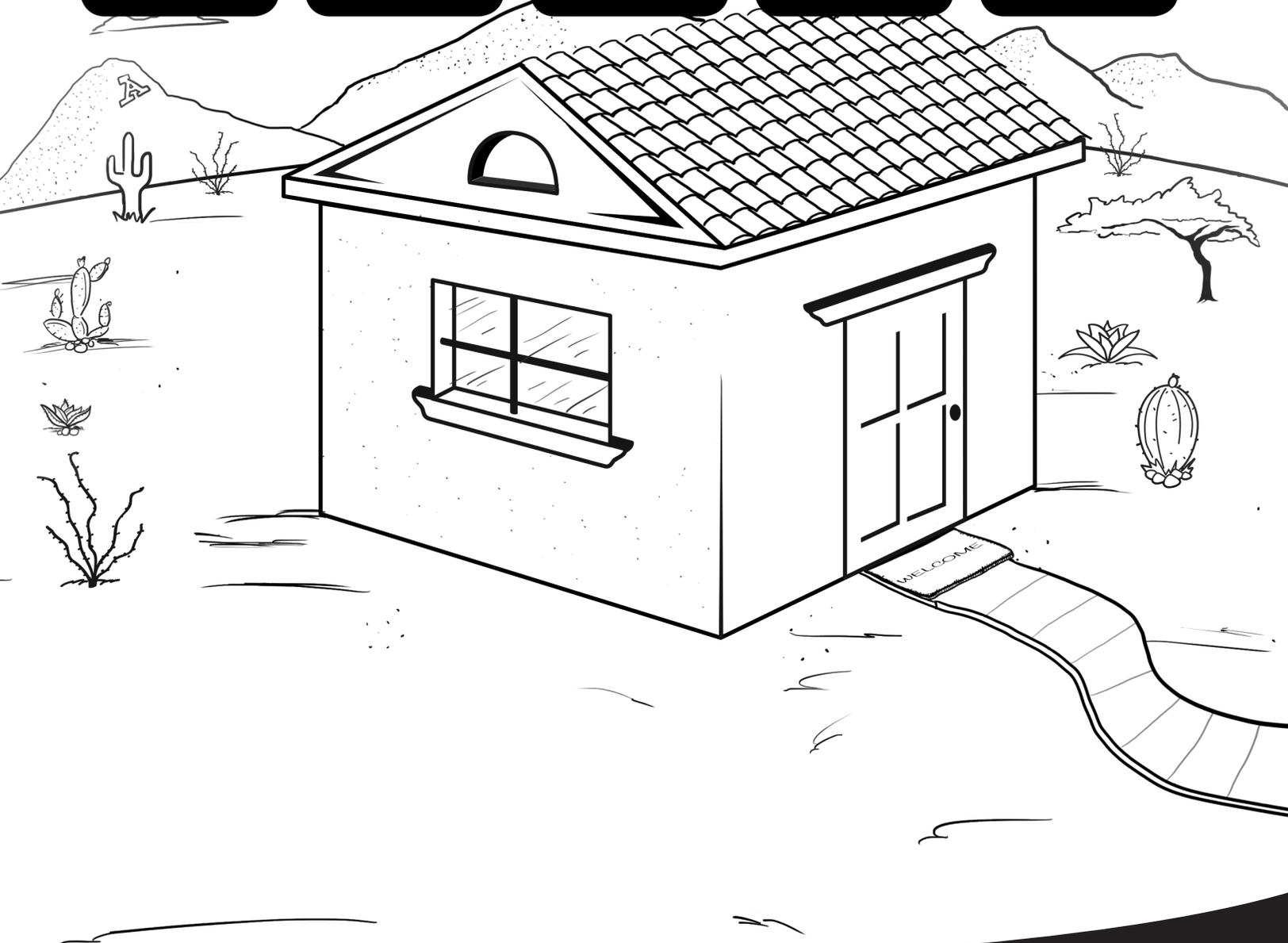


Desert plants need less water than thirsty lawns.

Landscape Basin



Captures rainwater and allows it to slowly infiltrate into the ground for later use by plants.



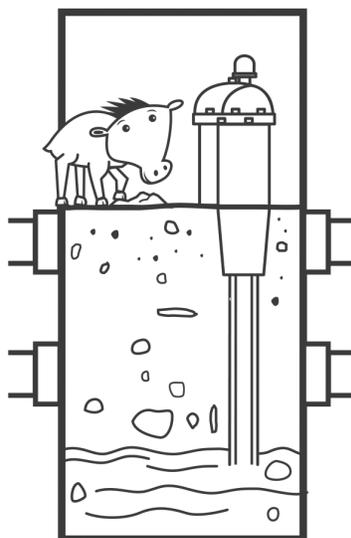
Reclaimed Water - Delivering Tucson's Water Sources

Complete the pipes from the treatment plant to deliver reclaimed water to the places where it is used. Complete the pipes from the well to deliver our blend of CAP and groundwater to the places where it is used.



Hey kids! Reclaimed water is recycled water! It is used for special purposes.

Color
reclaimed water
pipes purple.

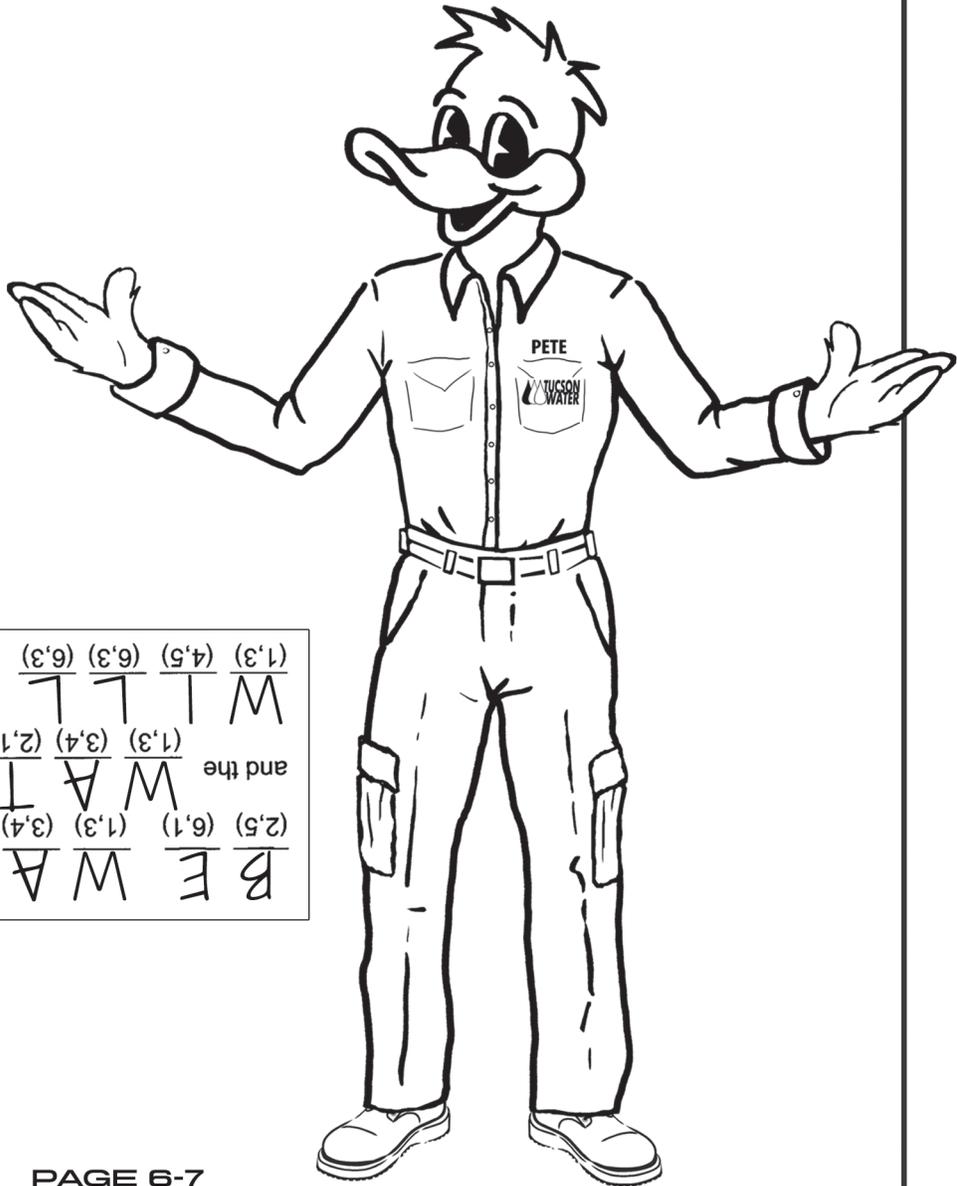
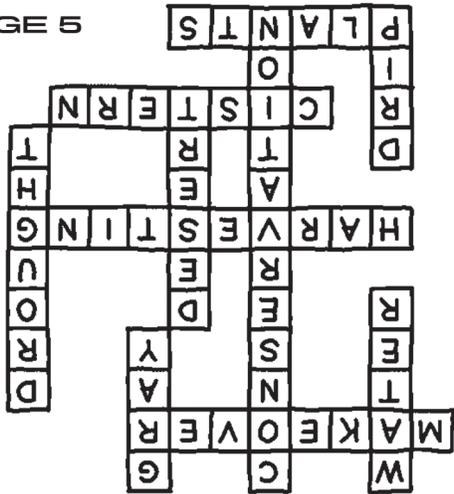


Color CAP and
groundwater
pipes blue.

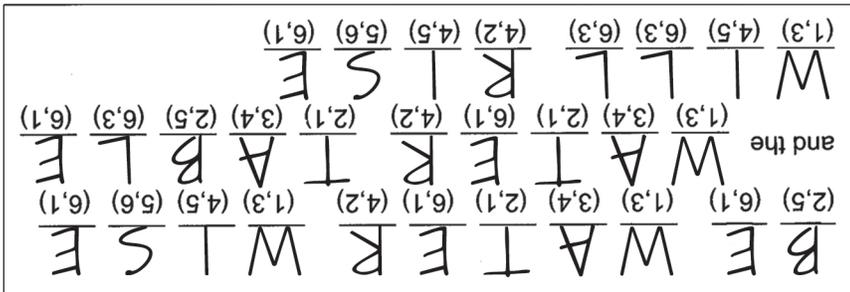


ANSWERS

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