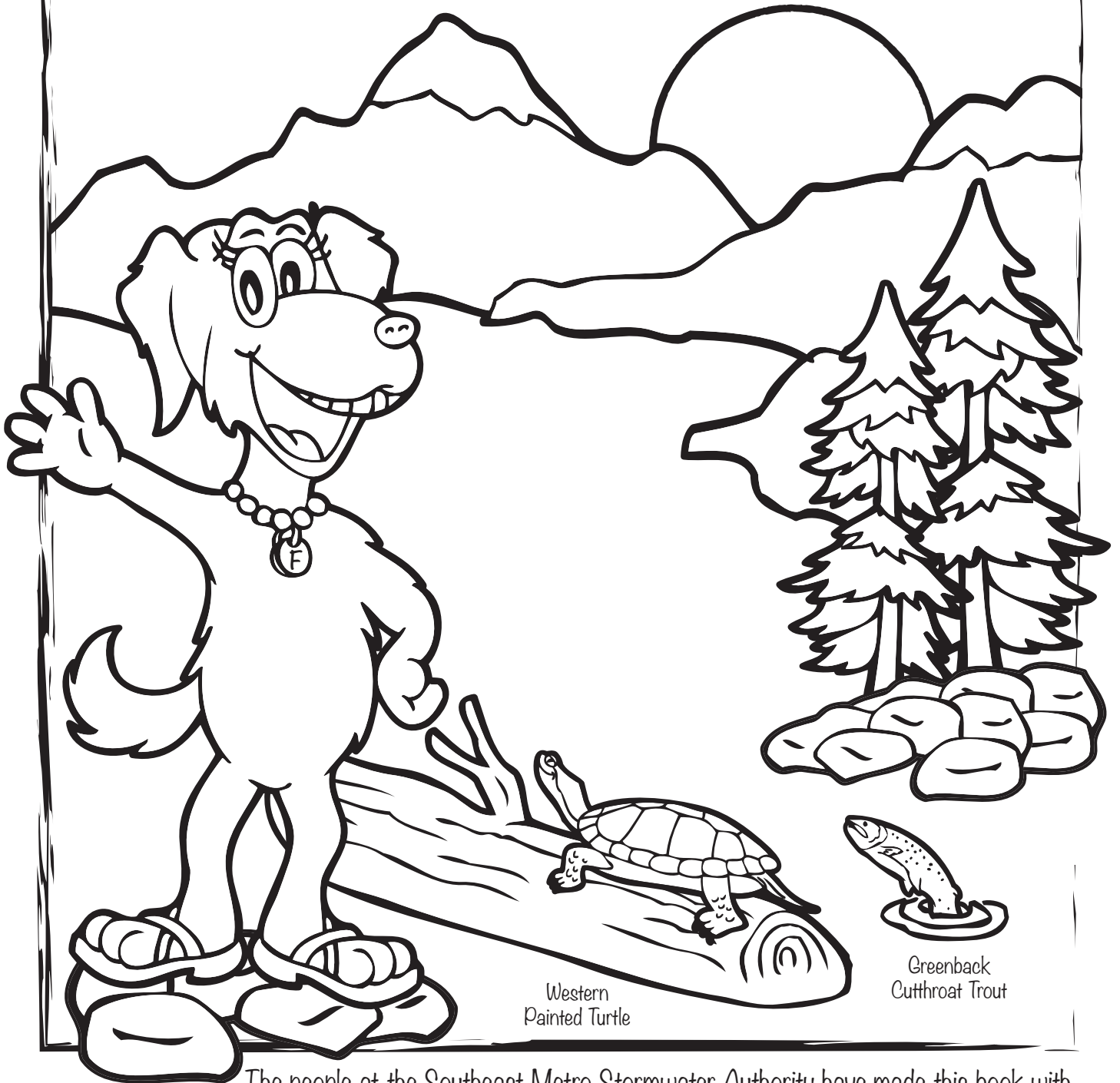


Eagle

## Flash wants you to remember:

- ✓ Be flood safe, don't play in culverts when it's raining.
- ✓ Enjoy and protect the riparian habitat areas.
- ✓ Conserve water whenever you can.



Western  
Painted Turtle

Greenback  
Cutthroat Trout

The people at the Southeast Metro Stormwater Authority have made this book with pictures to color and fun puzzles to teach you about flooding and help you stay safe.

# Cañon City Stormwater Program and Engineering Department

Cañon City's Engineering Department helps protect and maintain our local flood plains and help our neighborhoods and community be safe.

The Stormwater Program helps keep our environment and water clean and educates citizens about what they can do to keep our water clean.

Cañon City wants citizens to:

- know when they are at risk
- have emergency plans
- understand how to keep our water clean



Please visit [www.canoncity.org](http://www.canoncity.org) or call 719-276-5265 for more information.

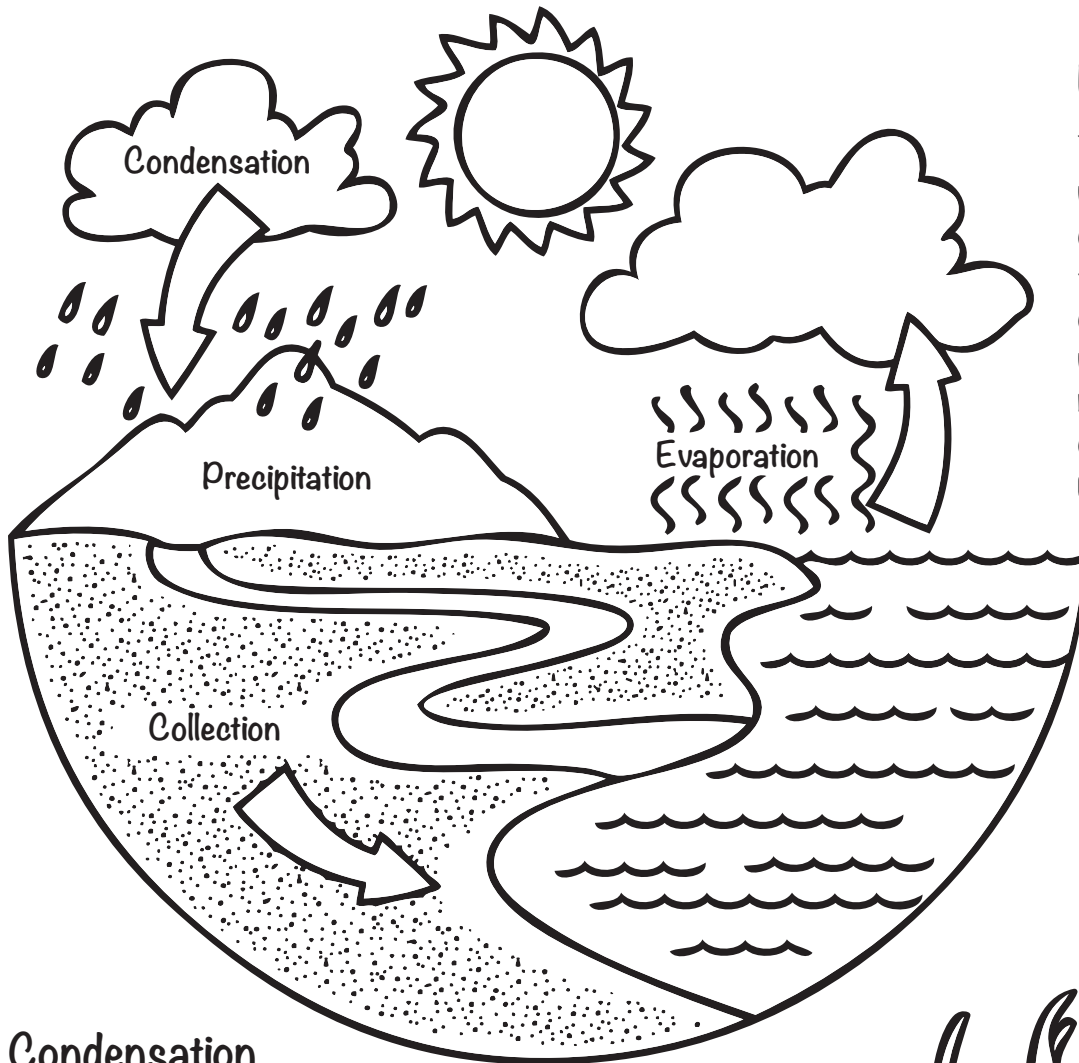
Aspen Tree

Indian Paintbrush

Bluebells

Columbine

# Learn about the WATER CYCLE



## Evaporation

The sun heats up water in rivers, lakes or the ocean and turns it into vapor or steam. The same water has been recycled on Earth over and over, for millions of years.

## Condensation

Water vapor in the air gets cold and condenses into liquid forming clouds.

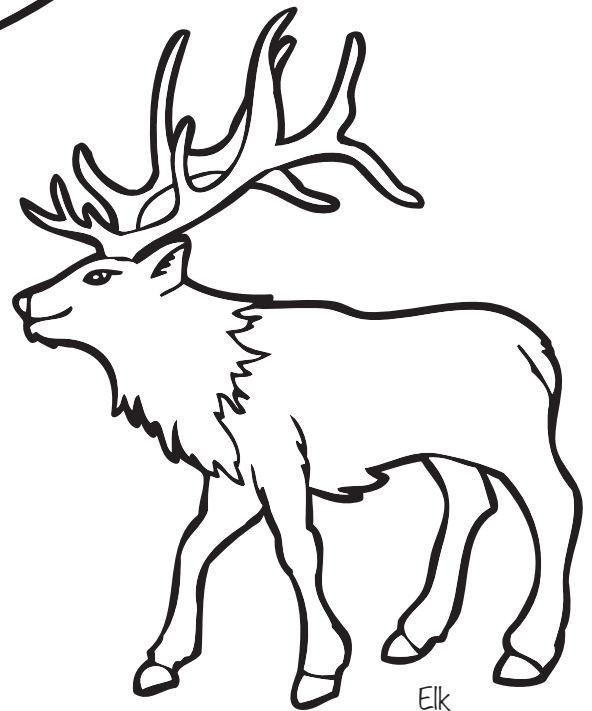
## Precipitation

When so much water has condensed that the air can not hold it anymore, the clouds get heavy and the water falls back to Earth in the form of rain, hail, sleet or snow.

## Collection

When water falls back to Earth, it collects into the rivers, lakes and oceans, or it may end up as puddles and get soaked back into the Earth as ground water.

And the cycle starts again!



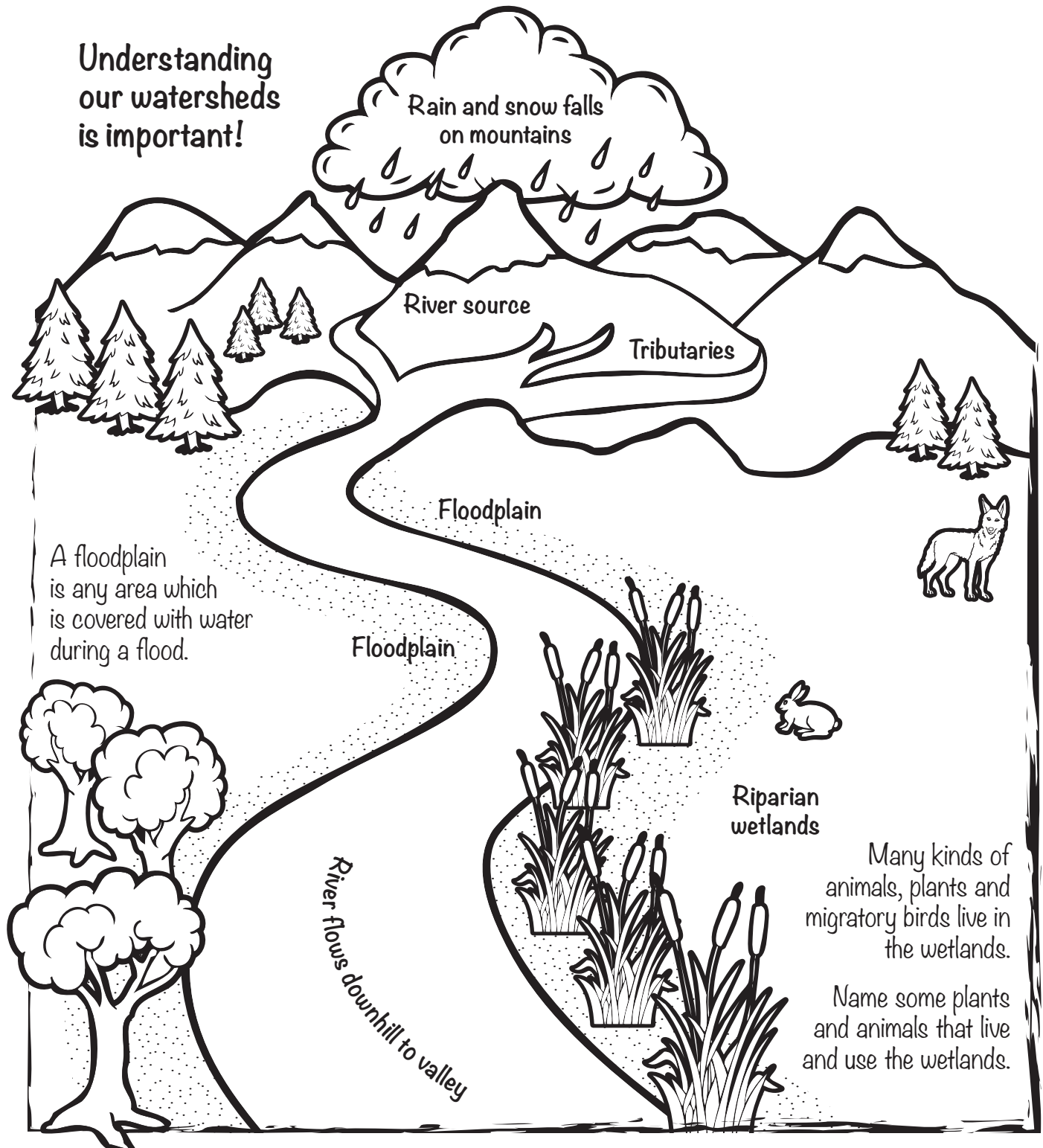


# Keep Our WATERSHED Clean and Healthy!

When it rains in the mountains or when snow melts, the water flows into little streams, then those little streams join to form rivers, lakes and other bodies of water.

All of the land where this water falls and flows is called the WATERSHED. Watersheds vary in size. Thinking about where our water comes from and how we can keep it clean is good for our environment.

Understanding  
our watersheds  
is important!



River source

Tributaries

Floodplain

Floodplain

River flows downhill to valley

Riparian  
wetlands

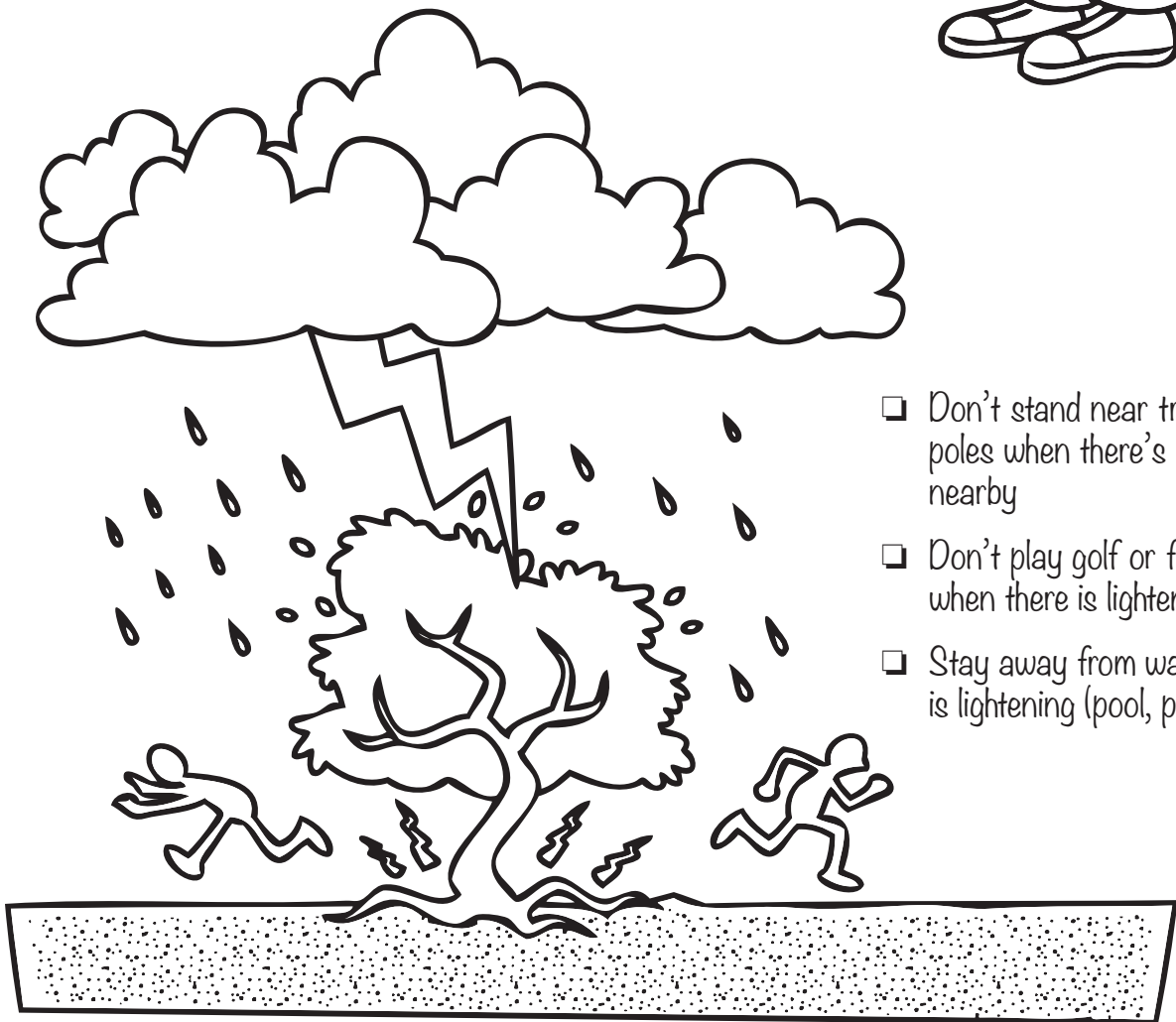
Many kinds of  
animals, plants and  
migratory birds live in  
the wetlands.

Name some plants  
and animals that live  
and use the wetlands.

# How to be Safe When the Summer Thunderstorms Come...

## If you are OUTSIDE:

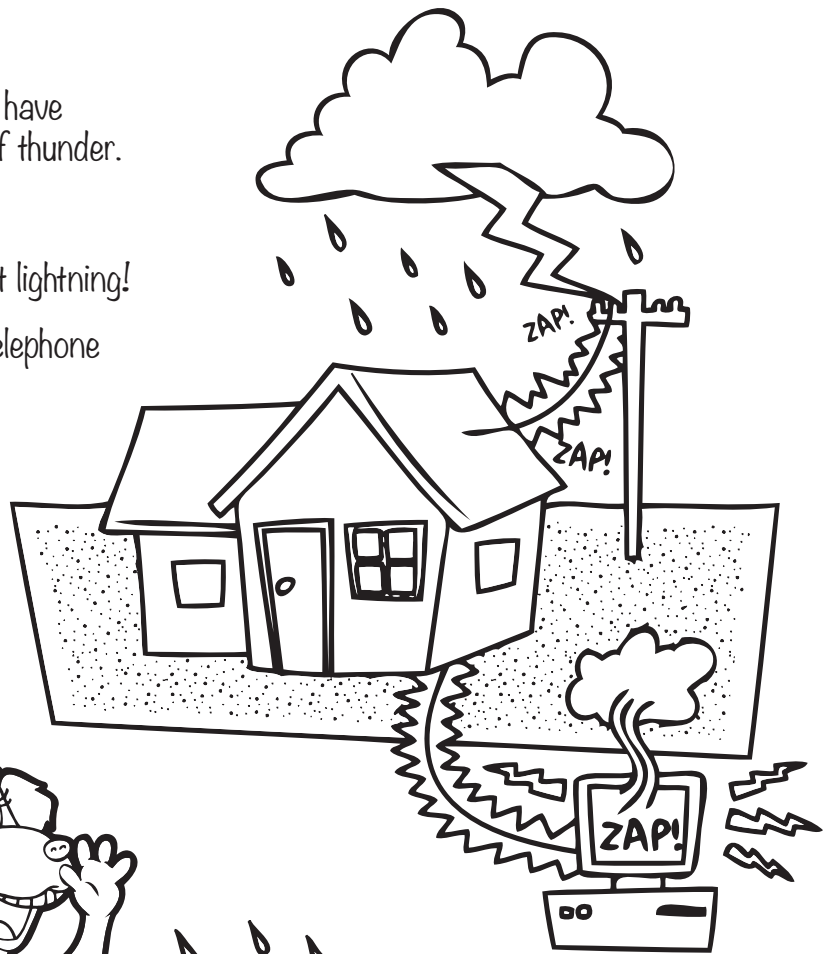
- ☐ The safest place to be is indoors
- ☐ Never walk, swim or drive through a flooded area or road
- ☐ Never take cover in a culvert or under a bridge



- ☐ Don't stand near trees or tall poles when there's lightning nearby
- ☐ Don't play golf or field sports when there is lightening
- ☐ Stay away from water while it is lightening (pool, puddles)

## If you are INDOORS:

- ☐ Stay there until at least 30 minutes have passed since you last heard a clap of thunder.
- ☐ Stay away from windows.
- ☐ Electrical wiring and plumbing attract lightning!
- ☐ Don't use your computer or house telephone unless it's an emergency.
- ☐ Don't wash dishes or take a shower during a lightning storm.

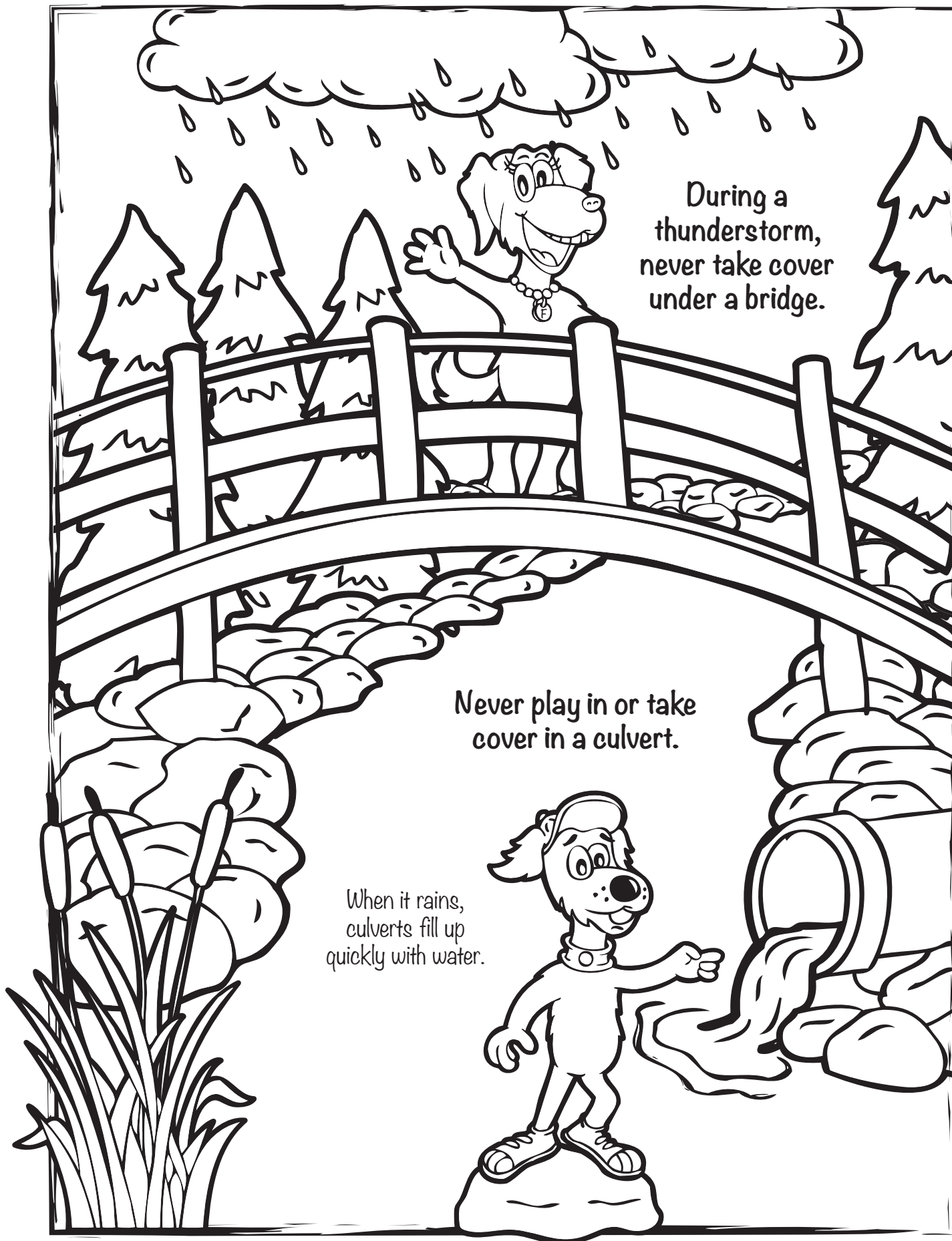


Never, ever  
drive into  
flooded streets!



## If you are IN THE CAR:

- ☐ Stay in the car until the lightning has stopped.
- ☐ Slow down! Water on the road may cause your car to hydroplane.
- ☐ Do not cross flooded roads.
- ☐ If you get stuck on a flooded road, call 911.



During a  
thunderstorm,  
never take cover  
under a bridge.

Never play in or take  
cover in a culvert.

When it rains,  
culverts fill up  
quickly with water.

# How Much Do You Know About FLOODS?

Circle the correct answer to take the quiz. Color the characters!



Prairie Dog

1. Just 6" of rapidly moving flood water can knock a person down.

True or False

2. If you are on a path and see or hear a lot of water coming down the creek during a rainstorm, you should:

- A. run down the path
- B. yell
- C. climb uphill as fast as you can



Gray Fox

3. Floods never happen in Colorado.

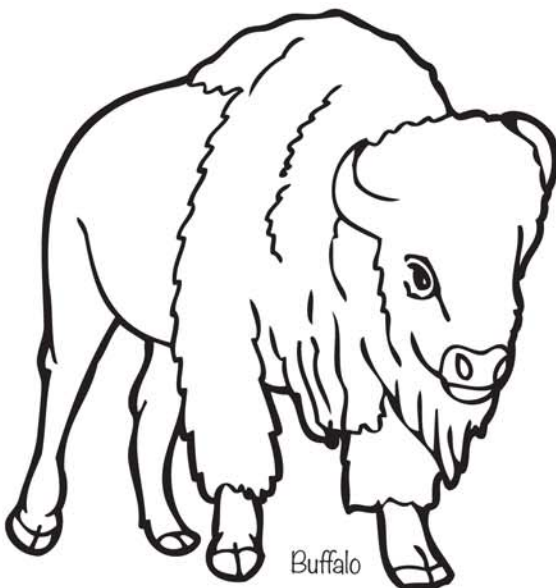
True or False



Big Horn Sheep

4. The best place to seek shelter during a thunderstorm is:

- A. under a tree
- B. under a bridge
- C. at home



Buffalo

5. A flash flood is:

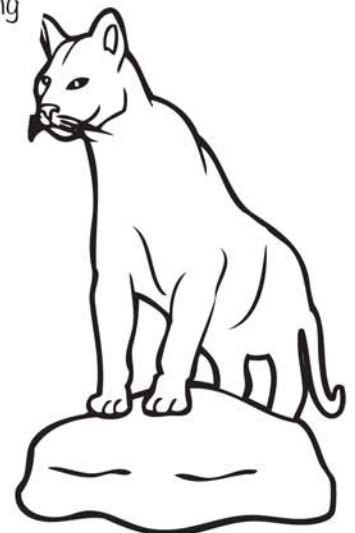
- A. a great time to try surfing
- B. happens quickly with little warning
- C. is never dangerous

6. Only low-lying areas near water are at risk for flooding:

True or False



Meadow Mouse



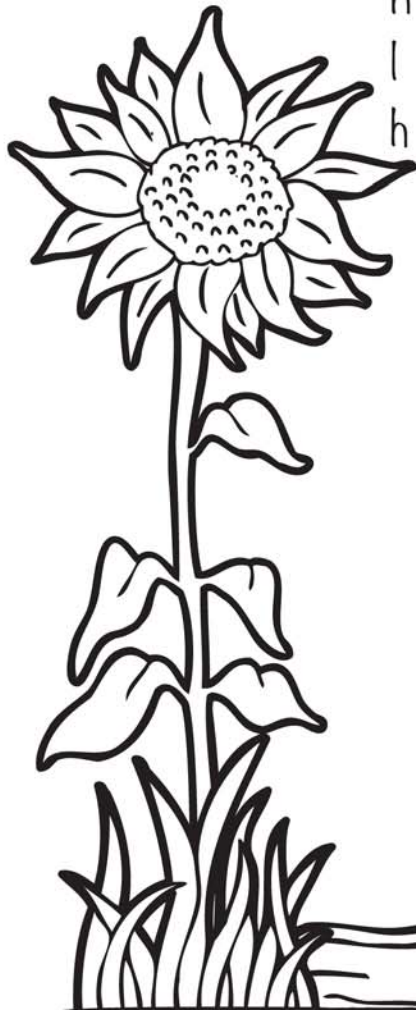
Mountain Lion

1. True, 2. C, 3. False, 4. C, 5. B, 6. False

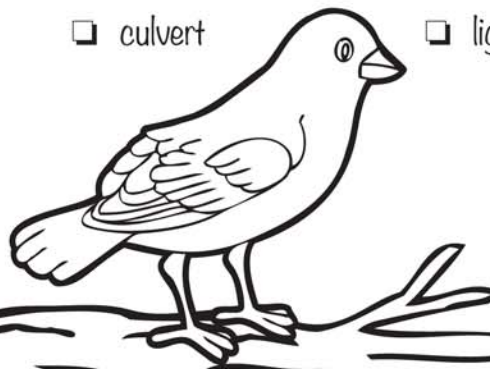




Colorado  
Hairstreak Butterfly



Sunflower



Lark Bunting



Blue-Eyed Darner Dragonfly

n o i t a t i p i e e r p e n  
c y p n e h b f l o o d o y o  
r s a f i r s n r e j n i t i  
e r d w i a u a a e d q y e t  
e s a d e t l h l e t s k f e  
k s g i l g i p n f o a u a e  
a e k d n q a s d n q g w s l  
a k e t f k a n s o x h u f l  
e x r r u t i l i e o p m x o  
t p x t i e n q a a m l e p e  
n j j o l v a c t a r s f p d  
b s n e u l v e r t p d w r u  
n o i t a r o p a v e o f a o  
l i g h t n i n g m r o t s l  
h f n y j j e w i r t v v j e

## Search for these words...

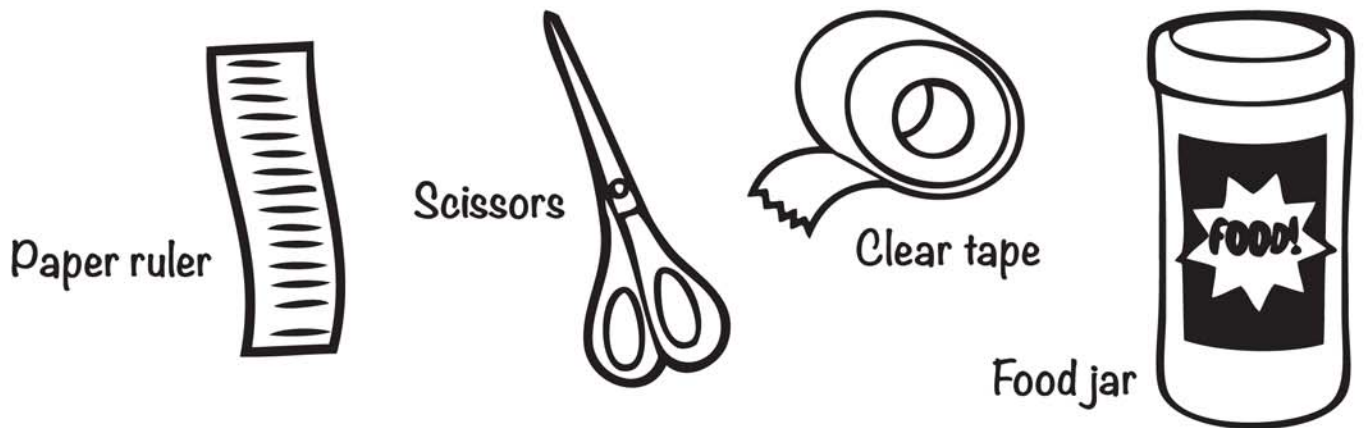
- |                                       |                                      |  |
|---------------------------------------|--------------------------------------|--|
| <input type="checkbox"/> bridge       | <input type="checkbox"/> drainageway | <input type="checkbox"/> precipitation |
| <input type="checkbox"/> cloud        | <input type="checkbox"/> evaporation | <input type="checkbox"/> rain          |
| <input type="checkbox"/> collection   | <input type="checkbox"/> flash       | <input type="checkbox"/> safety        |
| <input type="checkbox"/> condensation | <input type="checkbox"/> flood       | <input type="checkbox"/> storm         |
| <input type="checkbox"/> creek        | <input type="checkbox"/> floodplain  | <input type="checkbox"/> water         |
| <input type="checkbox"/> culvert      | <input type="checkbox"/> lightning   |  |

# How you can make a real RAIN GAUGE with Flash...

How much does it rain  
at your house? Find  
out with a rain gauge  
that you can make.



## Stuff you'll need...



Cut out the ruler and tape it to the outside of  
a straight sided food jar, like one used for jelly  
or olives. The bottom of the ruler needs to  
be even with the bottom of the jar.

Cover the strip with clear tape to protect  
it from the rain. Set it on a flat surface  
where rain can fill it up. You can keep a  
diary of how much rain falls where you live.

