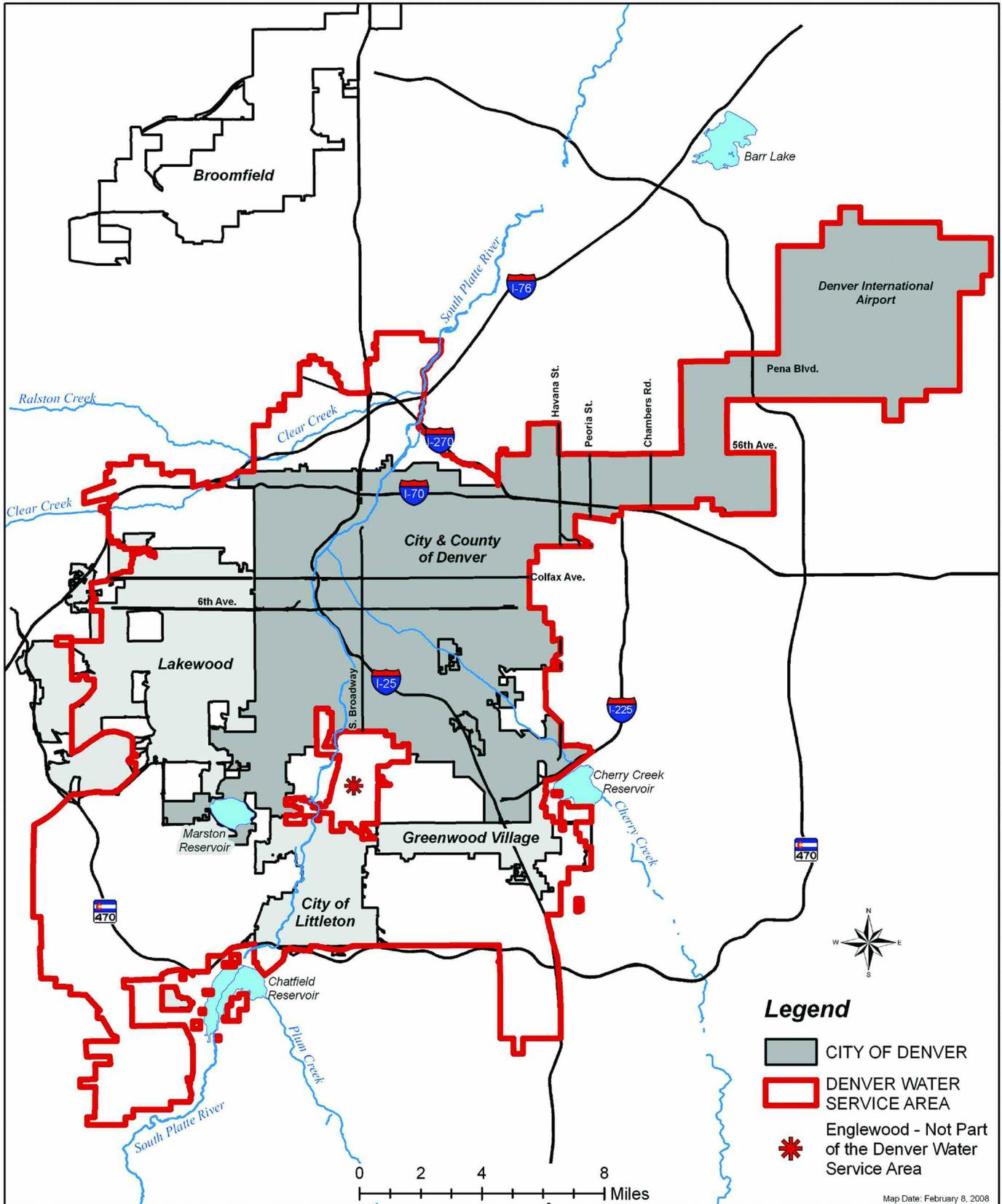


# THE MISSION OF DENVER WATER

Denver Water will be a responsible steward of the resources, assets and natural environments entrusted to us in order to provide

- a high-quality water supply,
- a resilient and reliable system, and
- excellent customer service.

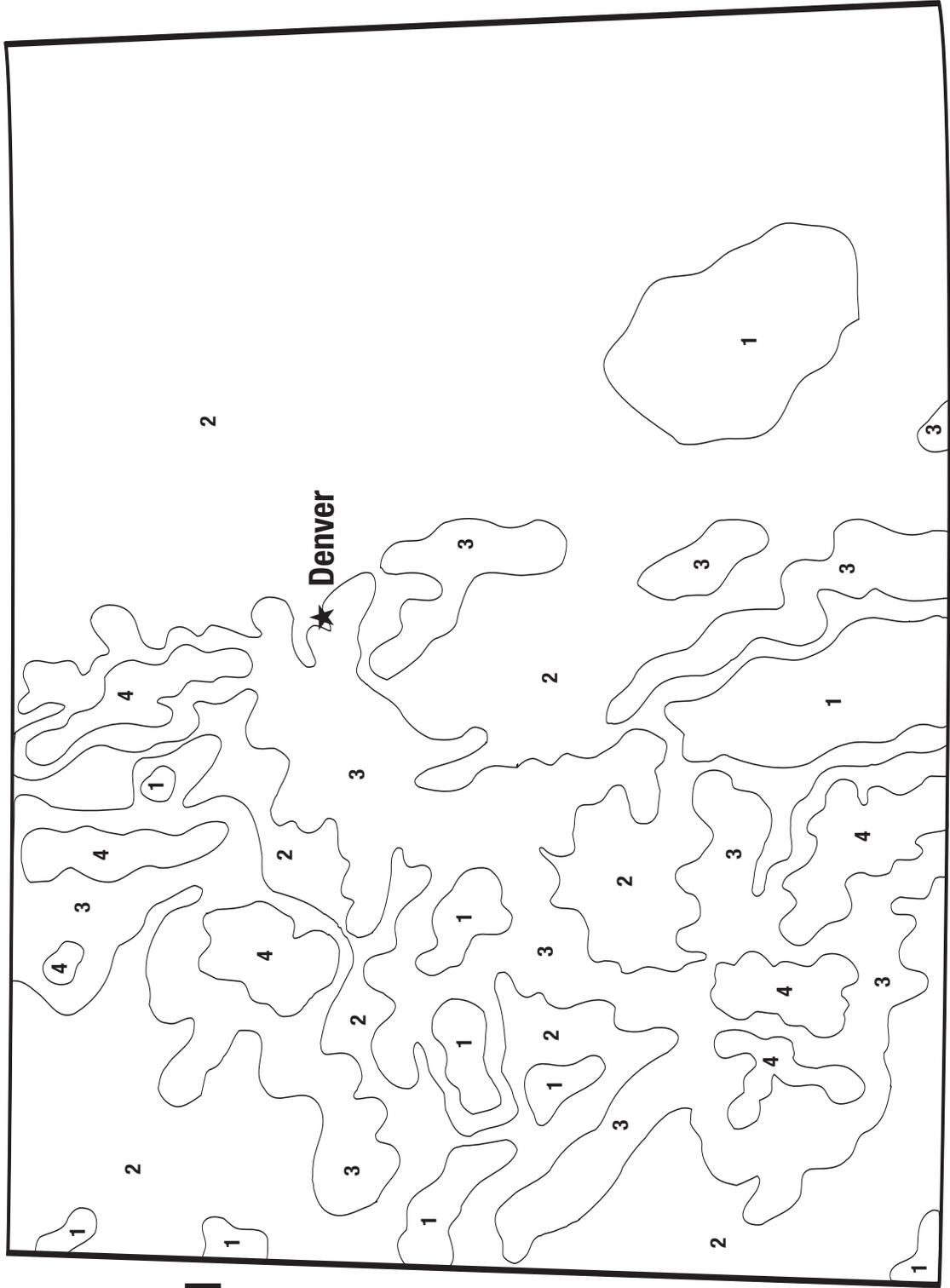
# Denver Water Service Area Map





Name \_\_\_\_\_

# Color-by-Number Precipitation Map



## COLORADO'S ANNUAL PRECIPITATION

- 1 UNDER 10"
- 2 10" TO 20"
- 3 21" TO 40"
- 4 OVER 40"



Name \_\_\_\_\_

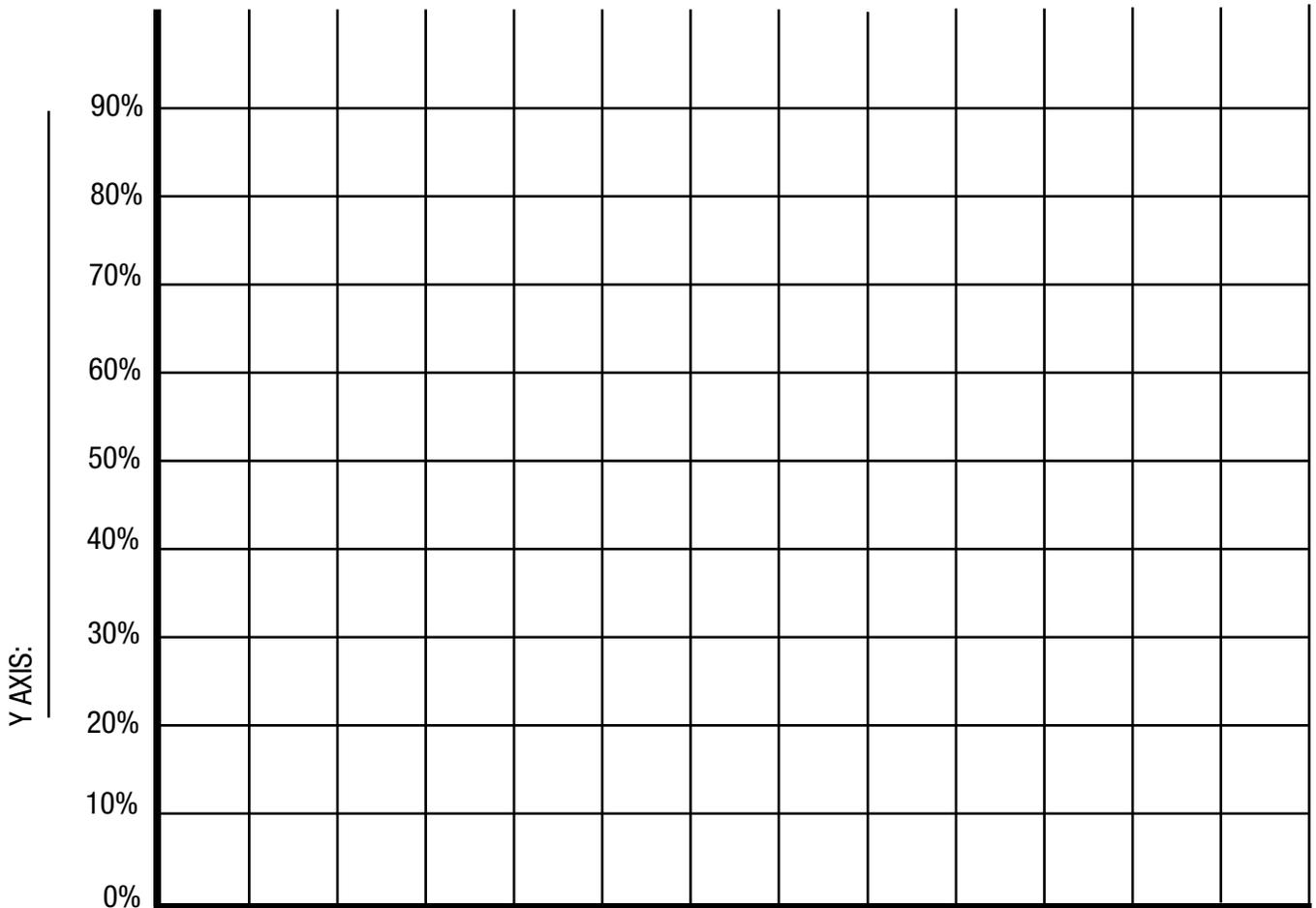
# All Water Users

Currently, Denver Water customers account for 25 percent of Colorado’s population but use 30 percent of state’s treated water supply and 2 percent of all water (treated and untreated) used in the state.

- 1) Label the X axis and the Y axis.
- 2) Be sure to use the appropriate amount of space when creating a bar for each category on the X axis.
- 3) Use the following data to create your bar graph:

- 48% single-family homes
- 21% business and industry
- 17% multi-family homes
- 9% public agencies
- 6% unaccounted (firefighting, leaks, miscellaneous)

TITLE: \_\_\_\_\_



X AXIS: \_\_\_\_\_

Name \_\_\_\_\_

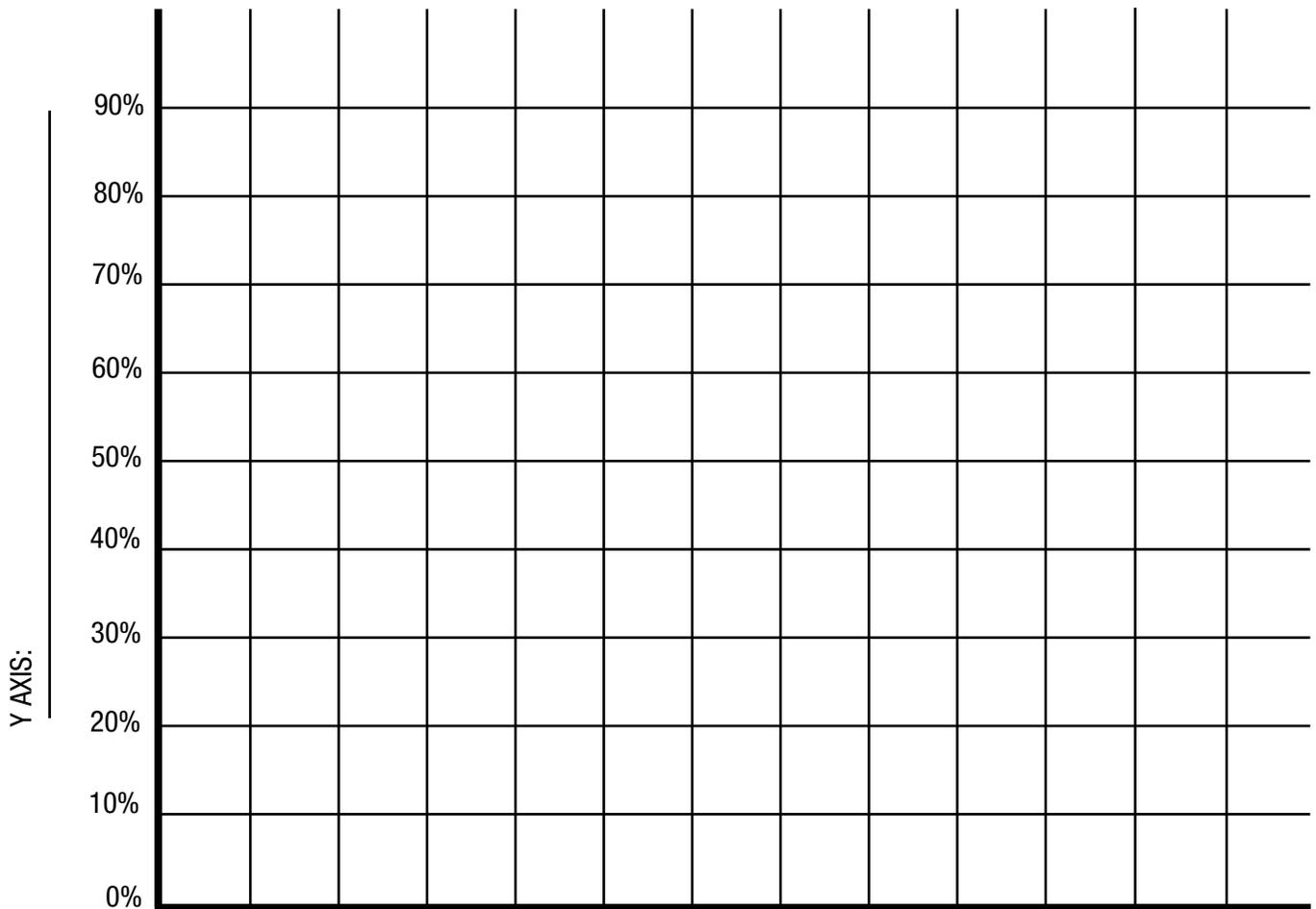
# Home Water Use

A typical two-person home served by Denver Water uses an average of 125,000 gallons per year, or 168 gallons per person per day.

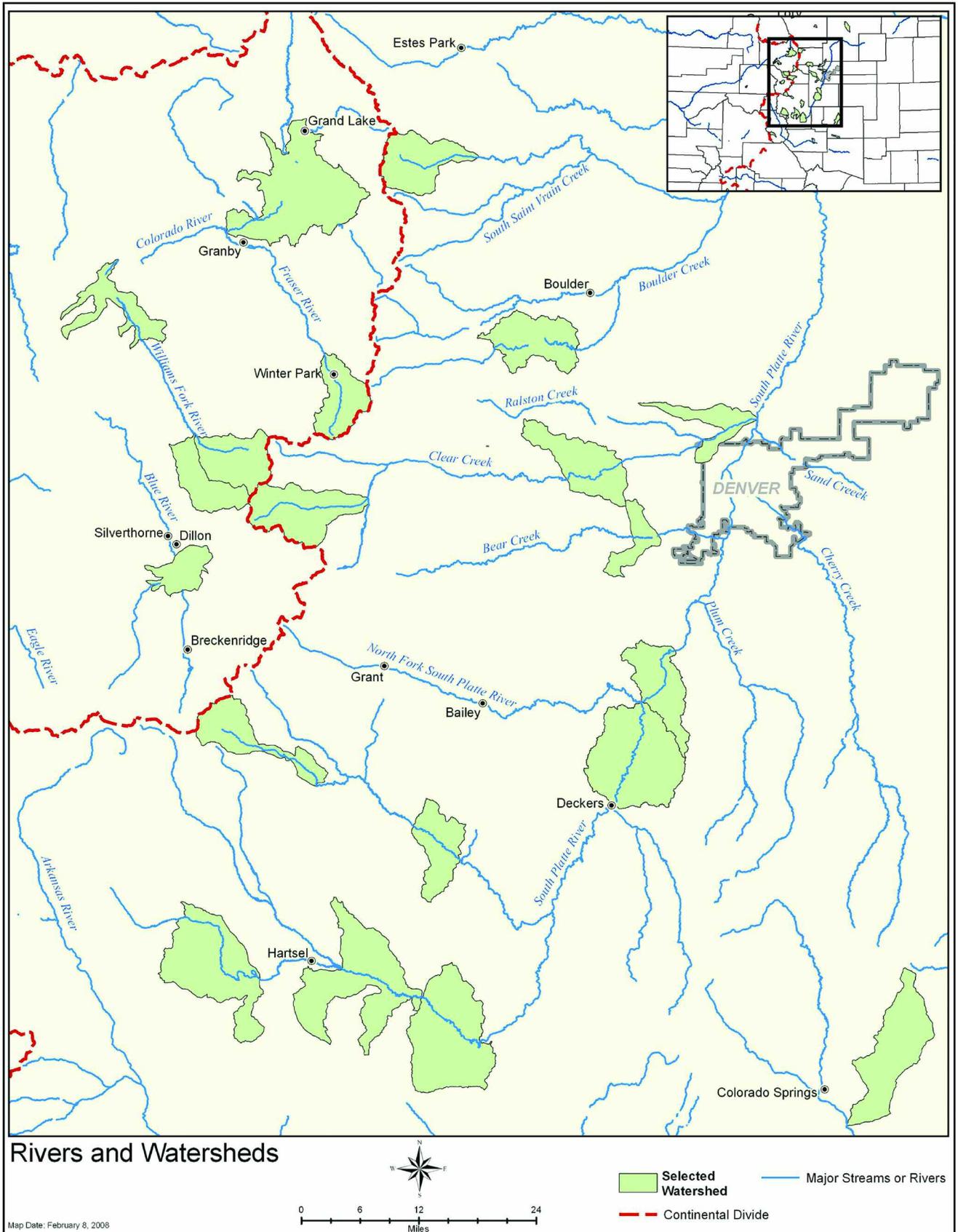
Create and label a bar graph below of how water is used in a typical family home served by Denver Water using the following data:

- |                   |                |
|-------------------|----------------|
| 54% landscaping   | 6% faucets     |
| 13% toilets       | 5% leaks/drips |
| 11% laundry       | 1% dishwashers |
| 10% showers/baths |                |

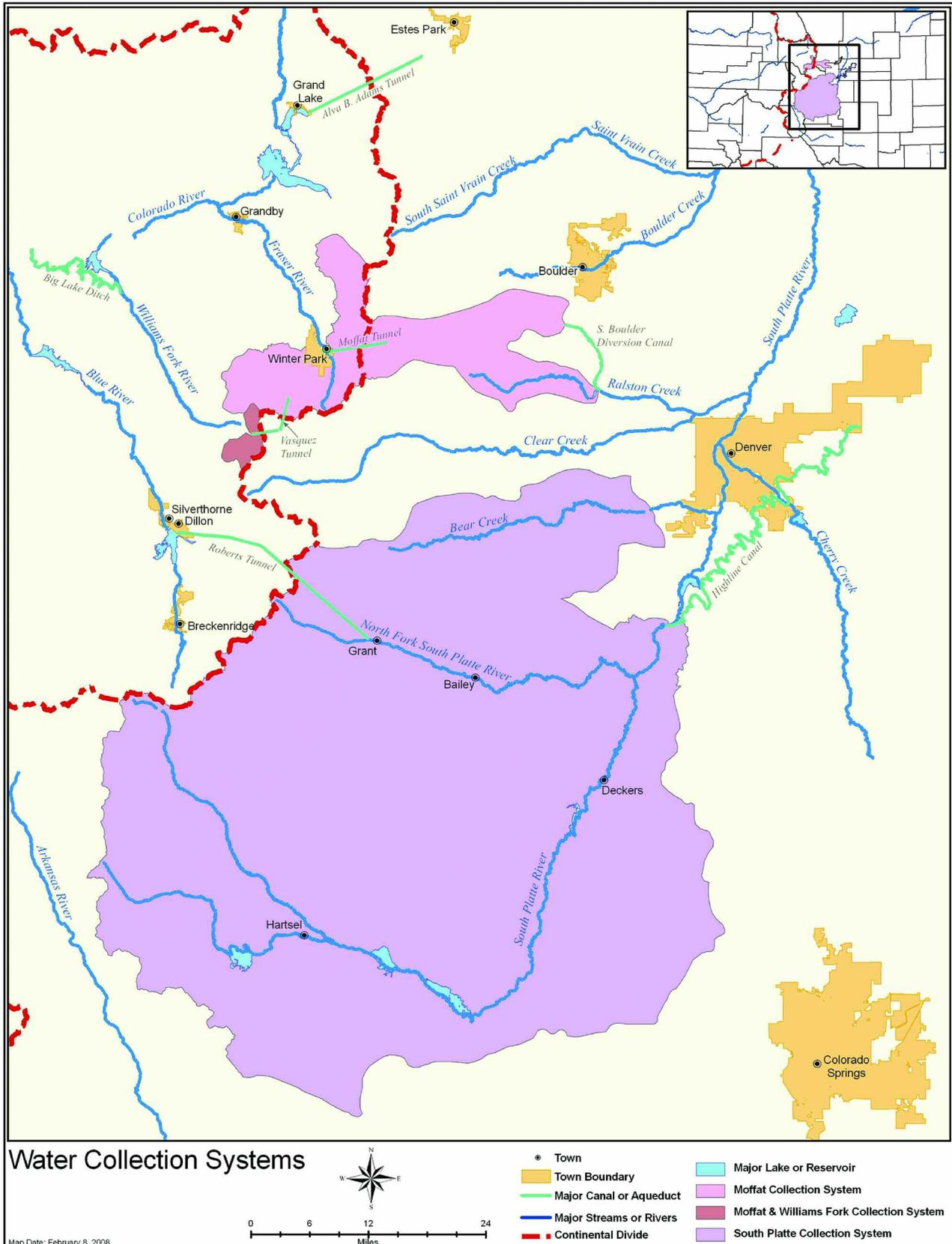
TITLE: \_\_\_\_\_



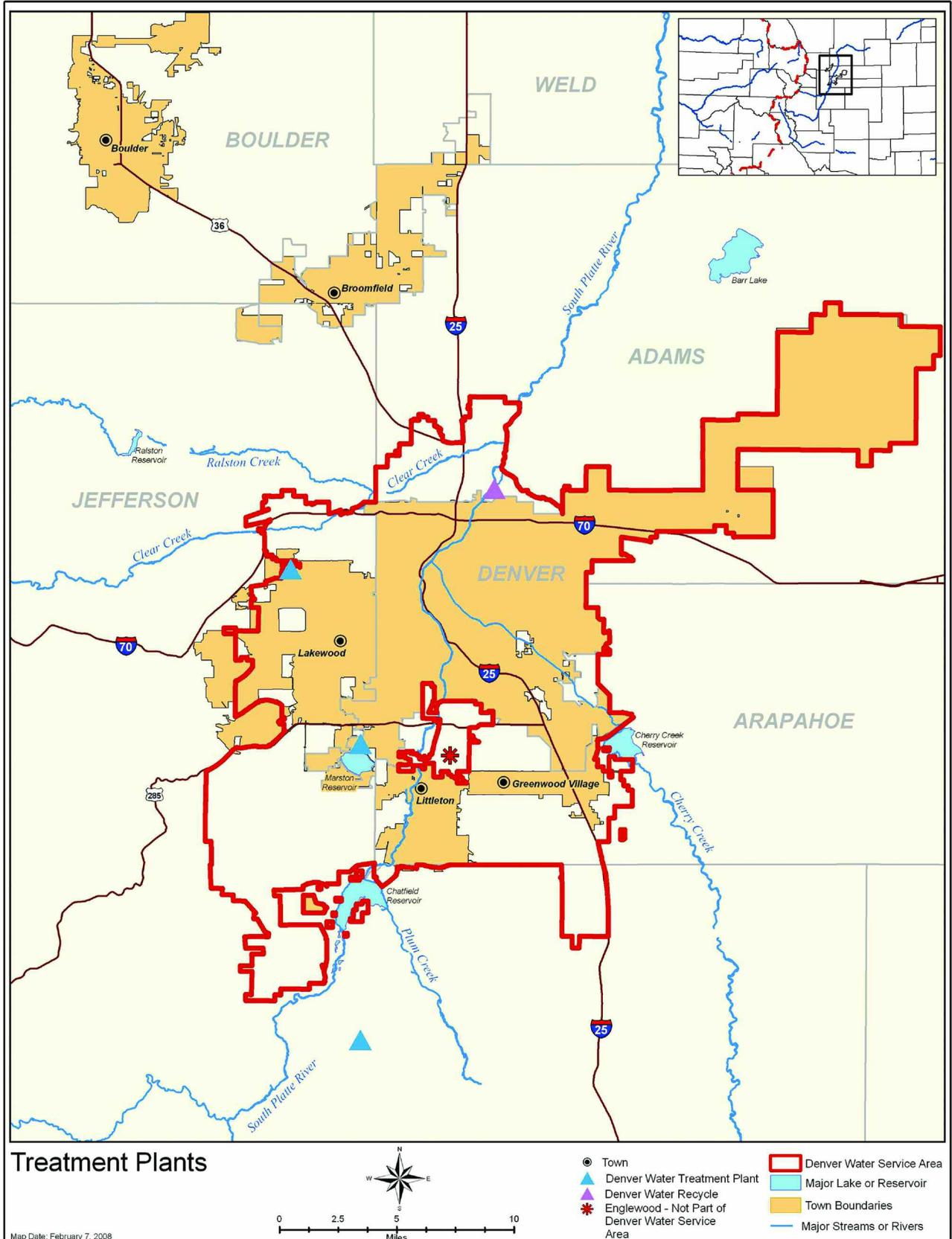
# Denver's Water Sources



# Denver Water's Collection System

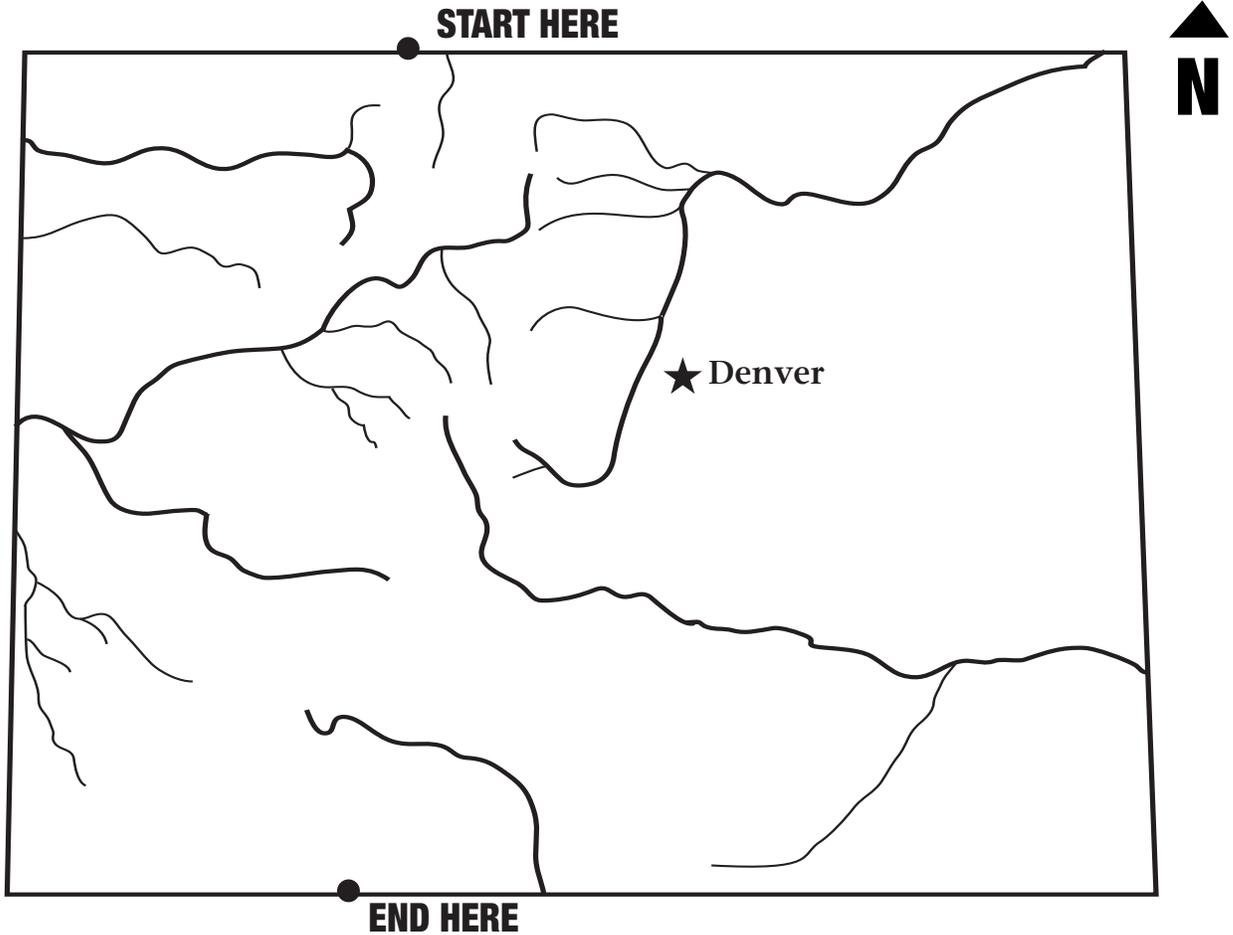


# Denver Water's Treatment System



Name \_\_\_\_\_

# Colorado's Rivers



1. Label these rivers on the map of Colorado:

- |                    |                |
|--------------------|----------------|
| Arkansas River     | Colorado River |
| South Platte River | Rio Grande     |
| Gunnison River     | Yampa River    |

2. Label as many other rivers shown as you can.

3. Show where the Continental Divide runs by drawing a red dotted line to connect the two dots without crossing a river.

4. Why has Colorado been called the "Mother of Rivers"? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Most of Colorado's rivers flow in what direction? \_\_\_\_\_

6. Colorado's water flows directly directly to which five bordering states?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

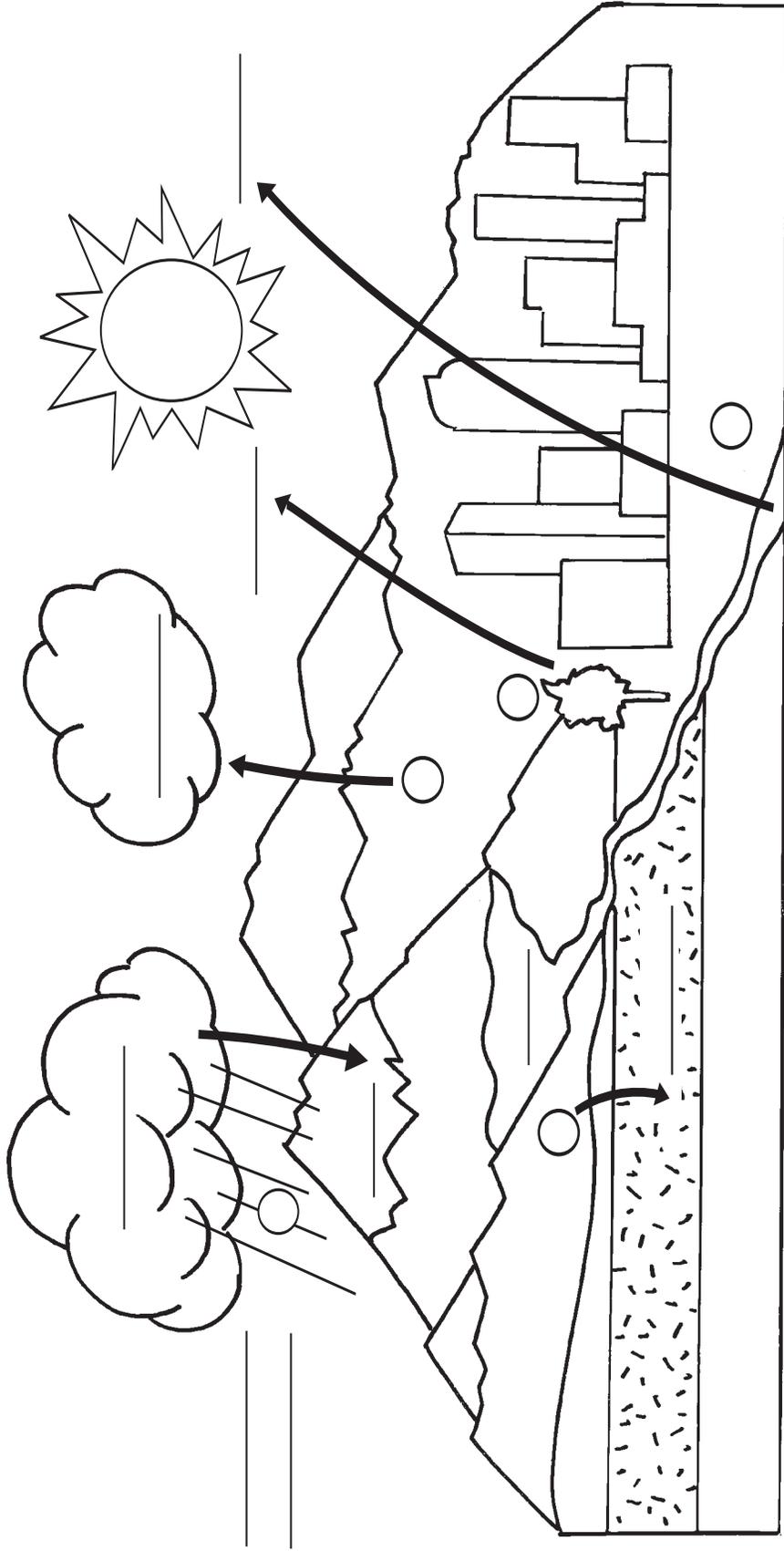
7. Look up the word "tributary" in the dictionary. What does it mean?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Trace over in blue the tributaries on this map.

NAME \_\_\_\_\_

# The Water Cycle on the Front Range



**States of Water**

- GAS (vapor)
- LIQUID (water)
- SOLID (ice)

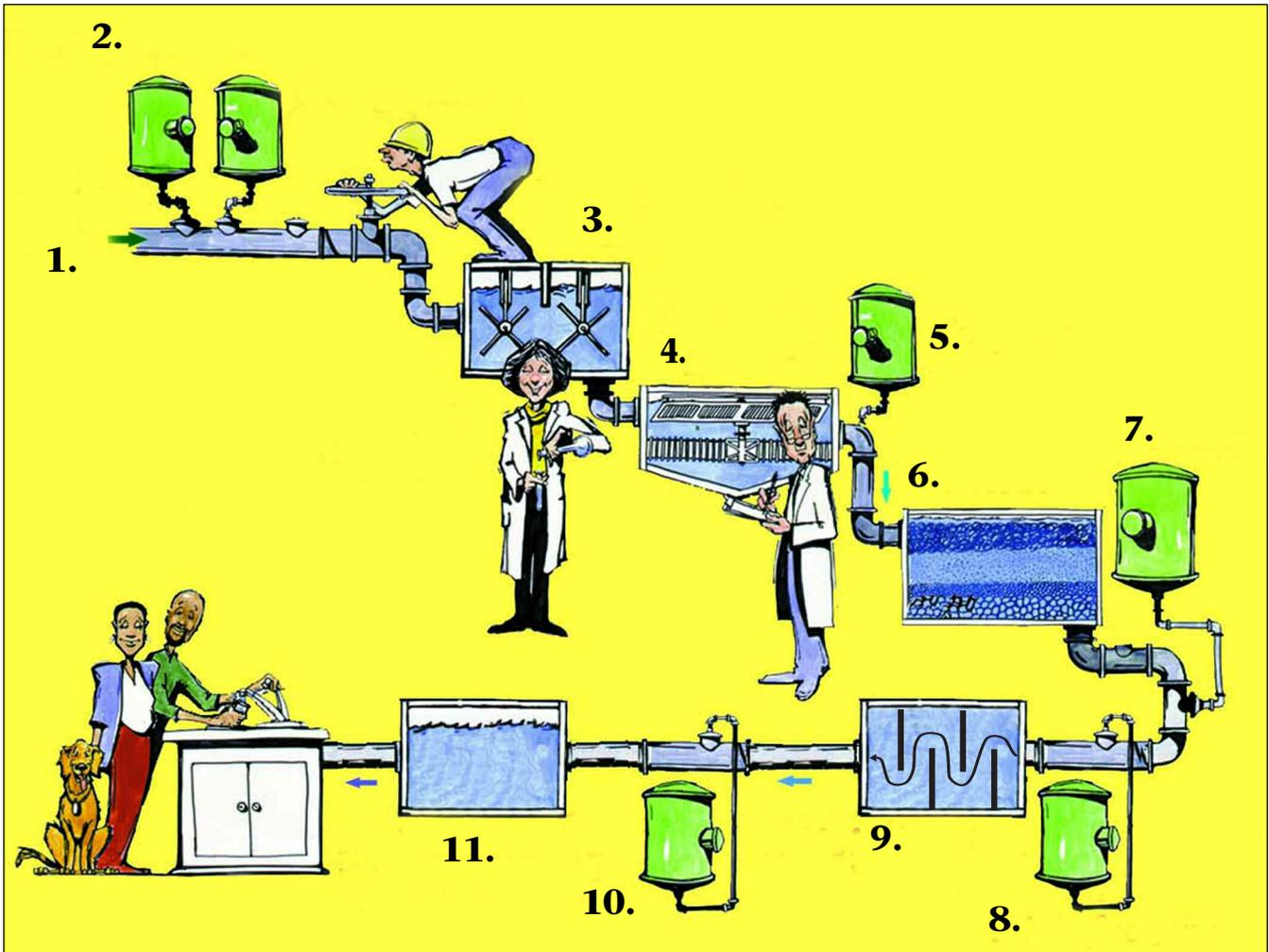
**Water Processes**

- A TRANSPIRATION
- B EVAPORATION
- C PRECIPITATION
- D CONDENSATION
- E PERCOLATION

**Nature's Reservoirs**

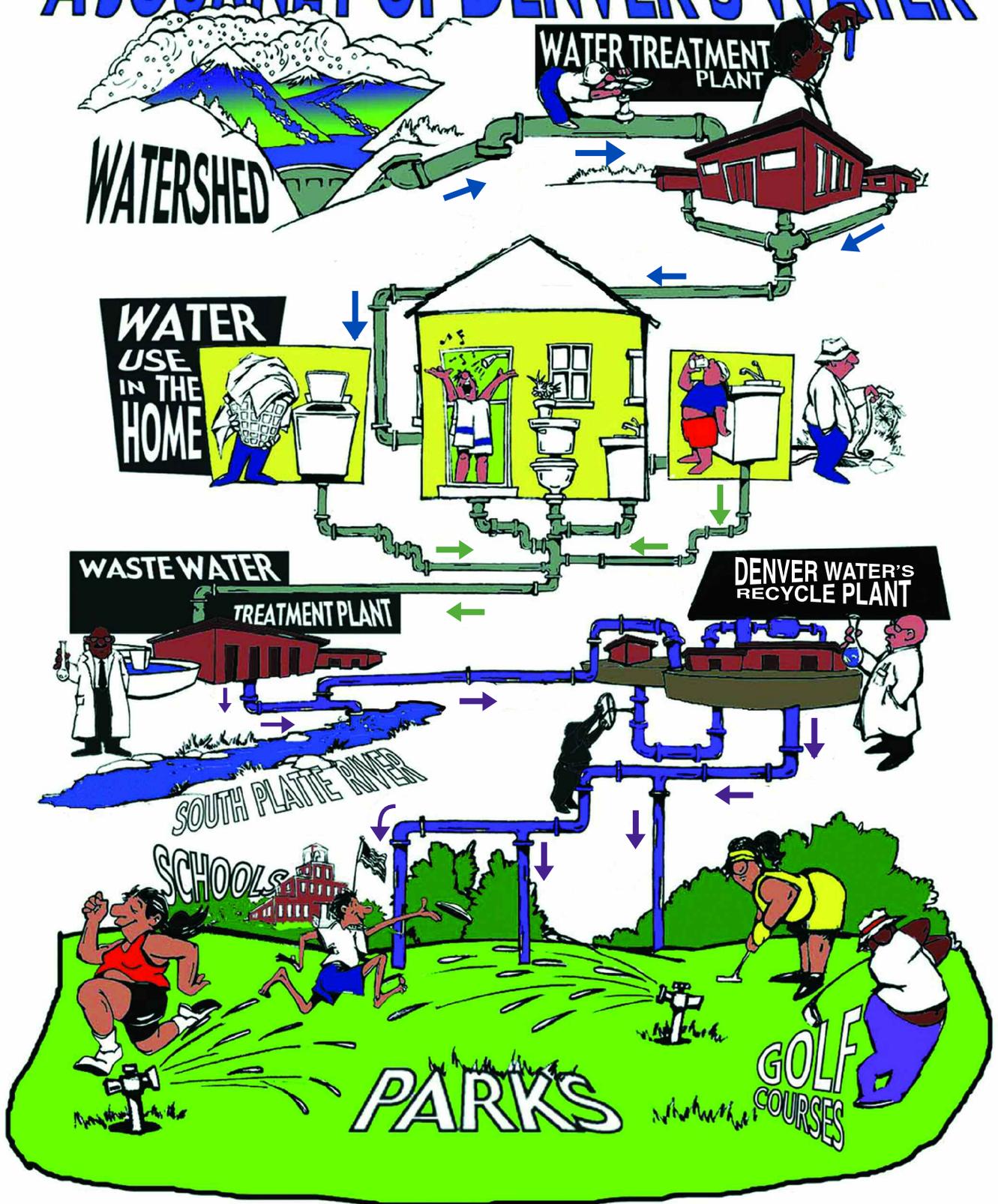
NAME \_\_\_\_\_

# Denver Water Treatment Process



- |    |     |
|----|-----|
| 1. | 7.  |
| 2. | 8.  |
| 3. | 9.  |
| 4. | 10. |
| 5. | 11. |
| 6. |     |

# A JOURNEY OF DENVER'S WATER



Name \_\_\_\_\_

# Word Game

Fill in the missing letter in each word below to find out the answer.

**E**\_\_\_\_\_pect your yard to be beautiful AND water-wise if you:

Water \_\_\_\_\_fficiently by watering the right amount at the right time.

\_\_\_\_\_educe the size of lawn areas to what you need.

Plan and \_\_\_\_\_mplement a design for BOTH more beauty and less water.

Improve the \_\_\_\_\_oil with manure or compost if necessary.

Mow, weed and prune properly to \_\_\_\_\_are for your landscape.

To reduce evaporation and keep soil cool, \_\_\_\_\_dd mulches around plants, such as woodchips or rocks.

Select \_\_\_\_\_lants that use less water. Group plants with similar needs.

\_\_\_\_\_njoy an average of 60% less water use and maintenance!

## Answer:

\_\_\_\_\_ is the use of seven common-sense principles which save water while creating a lush and colorful landscape.

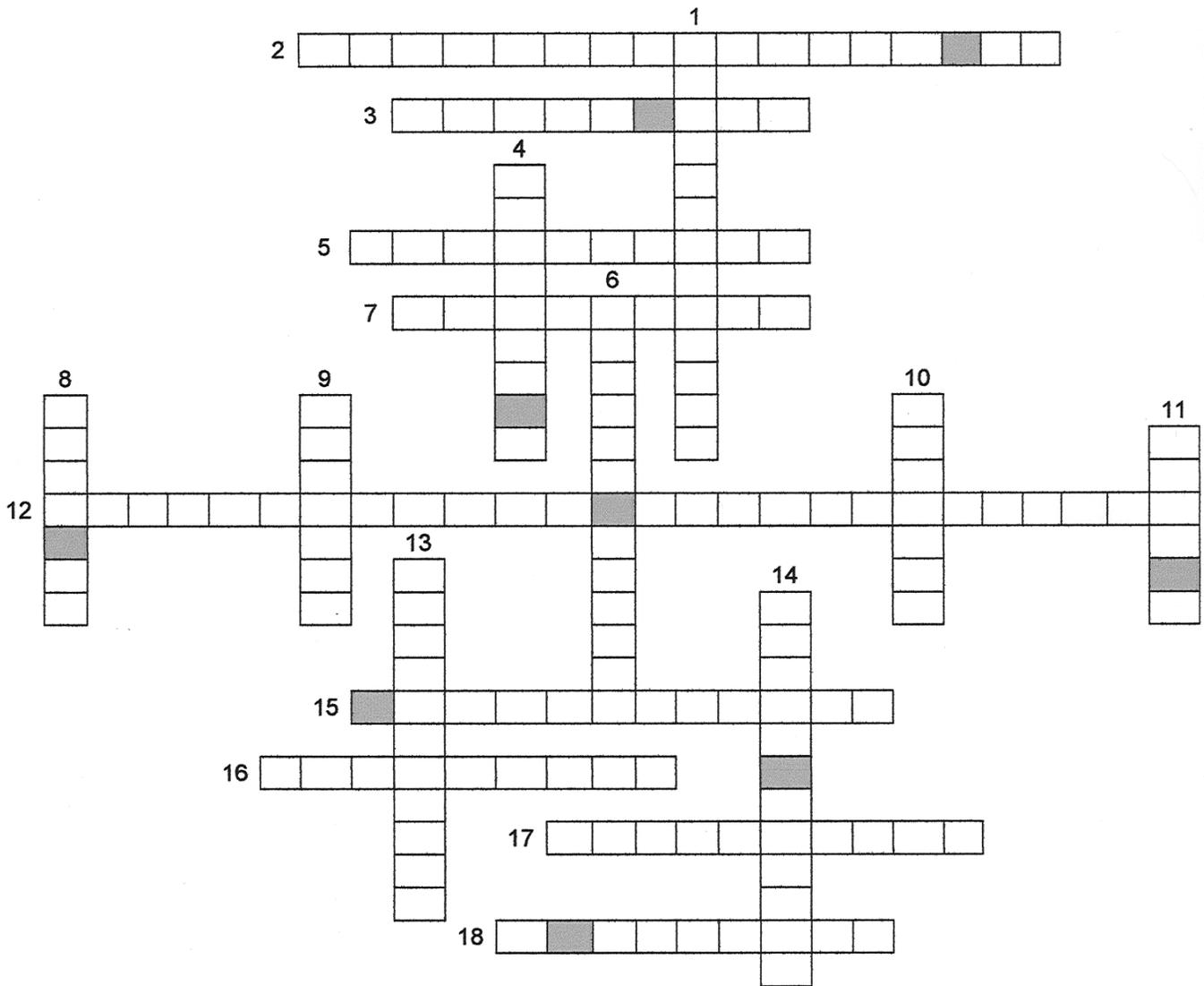


Name \_\_\_\_\_

# Crossword Quiz (clues on next page)

## MYSTERY WORD

Unscramble the shaded letters in the crossword puzzle to fill in the word below.



You are \_\_\_\_\_ when you do something with a minimum of waste,  
expense, or unnecessary effort.

In your life, what are some good things to do \_\_\_\_\_ LY?

What might you not want to do \_\_\_\_\_ LY ?

# Crossword Quiz Clues

## ACROSS

- 2 an imaginary line that runs north to south between the rivers that flow west toward the Pacific Ocean and those that flow east toward the Atlantic Ocean
- 3 a stream or river that flows into a larger one
- 5 the third step in water treatment, when water is pumped through sand or coal to remove remaining particles
- 7 landscape principles that save water while creating a lush and colorful landscape
- 12 the first step in water treatment, when chemicals are added to cause particles in the water to be attracted to each other and clump together
- 15 the changing of water vapor into liquid
- 16 having an acceptable taste
- 17 the movement of water from the atmosphere to the Earth and back to the atmosphere
- 18 a natural or human-made lake used for the collection and storage of water

## DOWN

- 1 the evaporation of water from plants
- 4 an area of land where all the water flows toward a common body of water
- 6 the second step in water treatment, when solids suspended in liquid, called floc, are allowed to settle to the bottom of the container
- 8 a large body of ice moving slowly down a mountain or valley
- 9 clean enough to drink
- 10 a long period of little or no precipitation
- 11 water that flows on the surface of the Earth into streams, rivers, lakes and oceans
- 13 the changing of liquid water into vapor
- 14 the fourth step in water treatment, when chlorine is added to kill bacteria