

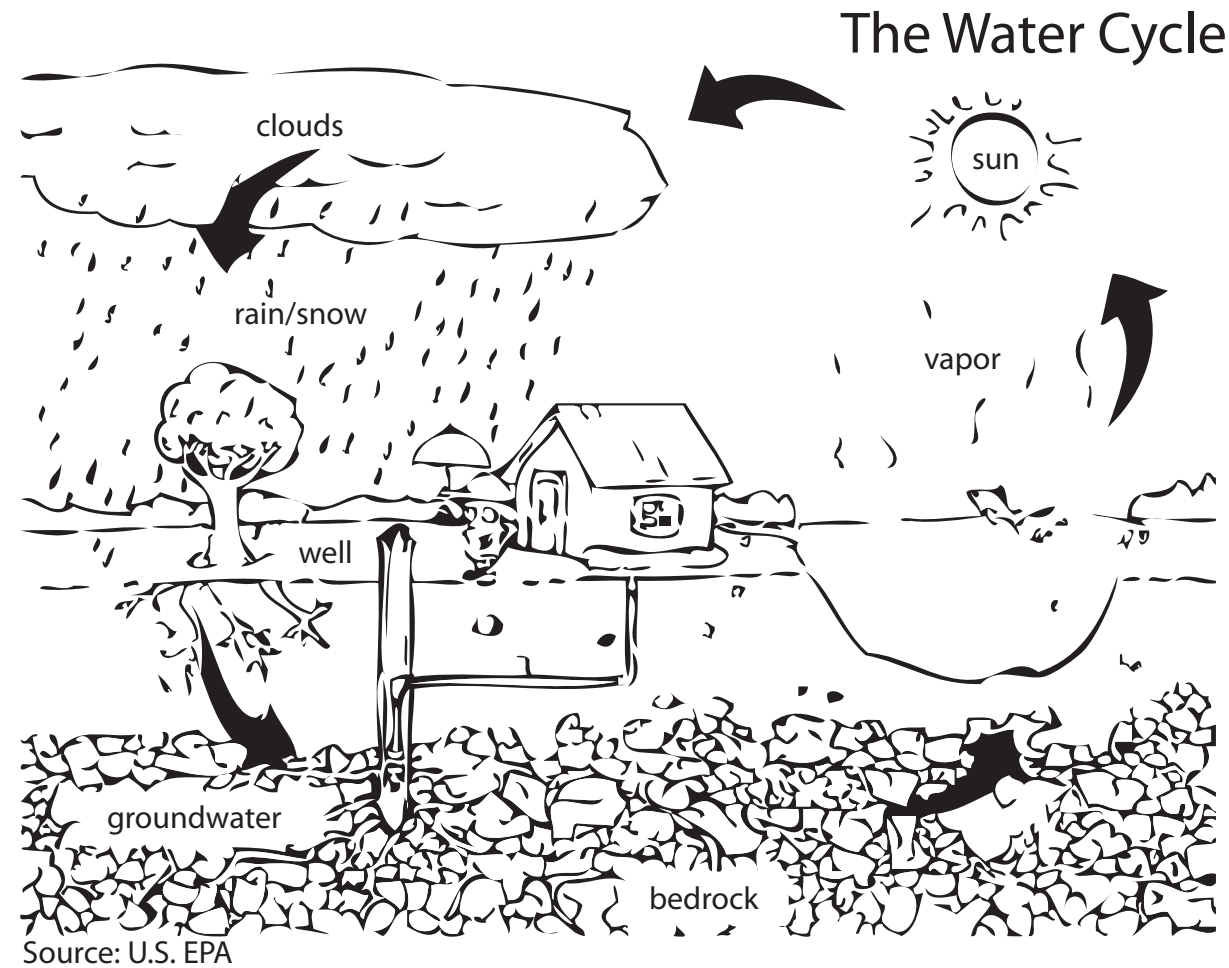
Water Facts Matching Game

Do you know how much water we use to:

- | | |
|----------------------------|--------------------|
| 1. Take a shower | A. 30 gallons |
| 2. Water the lawn | B. 180 gallons |
| 3. Wash the dishes | C. 4 - 7 gallons |
| 4. Run the washing machine | D. ½ gallon |
| 5. Flush the toilet | E. 39,090 gallons |
| 6. Brush your teeth | F. 62,600 gallons |
| 7. Keep hydrated | G. 15 - 30 gallons |
| 8. Produce 1 ton of steel | H. 9.3 gallons |
| 9. Process 1 can of fruit | I. One gallon |
| 10. Manufacture a new car | J. 9-20 gallons |

Answers: 1 - G, 2 - B, 3 - J, 4 - A, 5 - C, 6 - I, 7 - D, 8 - F, 9 - H, 10 - E

Get "Water Wise" Facts & Fun



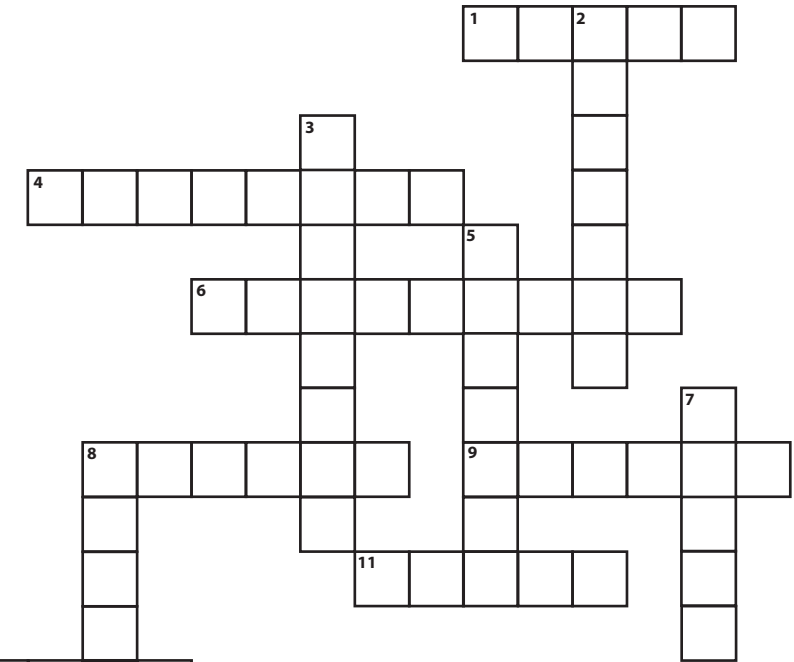
Water moves in an endless sequence called the *water cycle*. Water *evaporates* from oceans, rivers and lakes, and rises into the atmosphere where it *condenses* to form clouds. *Precipitation* then falls to earth in the form of rain or snow and flows into oceans, rivers and lakes, and the process begins again. The earth soaks up some of the water and stores it in the ground.

Did You Know?

The water you drank today may be the same water a dinosaur drank millions of years ago.

Or it may have been the same water that supported Columbus' ships on the sea.

The earth has the same amount of water today as it always had.



Water Puzzler

Across

- Don't put hazardous waste down a _____.
- Room in the house where most water is used
- A region that drains into a body of water
- Name of a well and school in Acton
- Use this to wash bikes and cars
- All living things need this
- Save water by taking a short _____.

Down

- Underground water storage area
- Stream flowing past Douglas & Gates schools
- All Acton water drains to here
- Where Acton's water comes from
- Water moves in an endless _____.
- Less than 3% of the earth's water

- | | |
|-------------|-------------|
| 12 shower | 10 fresh |
| 11 water | 8 cycle |
| 9 bucket | 7 wells |
| 8 Conant | 5 Assabet |
| 6 watershed | 3 Fort Pond |
| 4 bathroom | 2 aquifer |
| 1 drain | Down |
| Across | |

Recycle Conserve Our Water

- Don't let the water run as you brush your teeth.
- Take shorter showers (every minute saves 5-7 gallons).
- Showers use less water than baths.
- Follow the Outdoor Watering Schedule:
Odd # houses: W/F/Sun. and Even # houses: T/Th/Sat.
No outdoor watering on Mon.
- Don't use the toilet as a trash can. Only flush when need.

Recycle Protect Our Water

- Clean up after your pets.
- Don't dump yard debris in or near streams.
- Don't pour oil and hazardous material down a storm drain.
- Do not flush or put unused medications down the drain.
- Bring oil, pesticides and other toxic chemicals to Acton's Hazardous Waste Day.



AB PIP: Enriching Science, Technology, Engineering & Math (STEM) Education K-12
www.actonpip.org
actonpip@yahoo.com

Get "Water Wise"

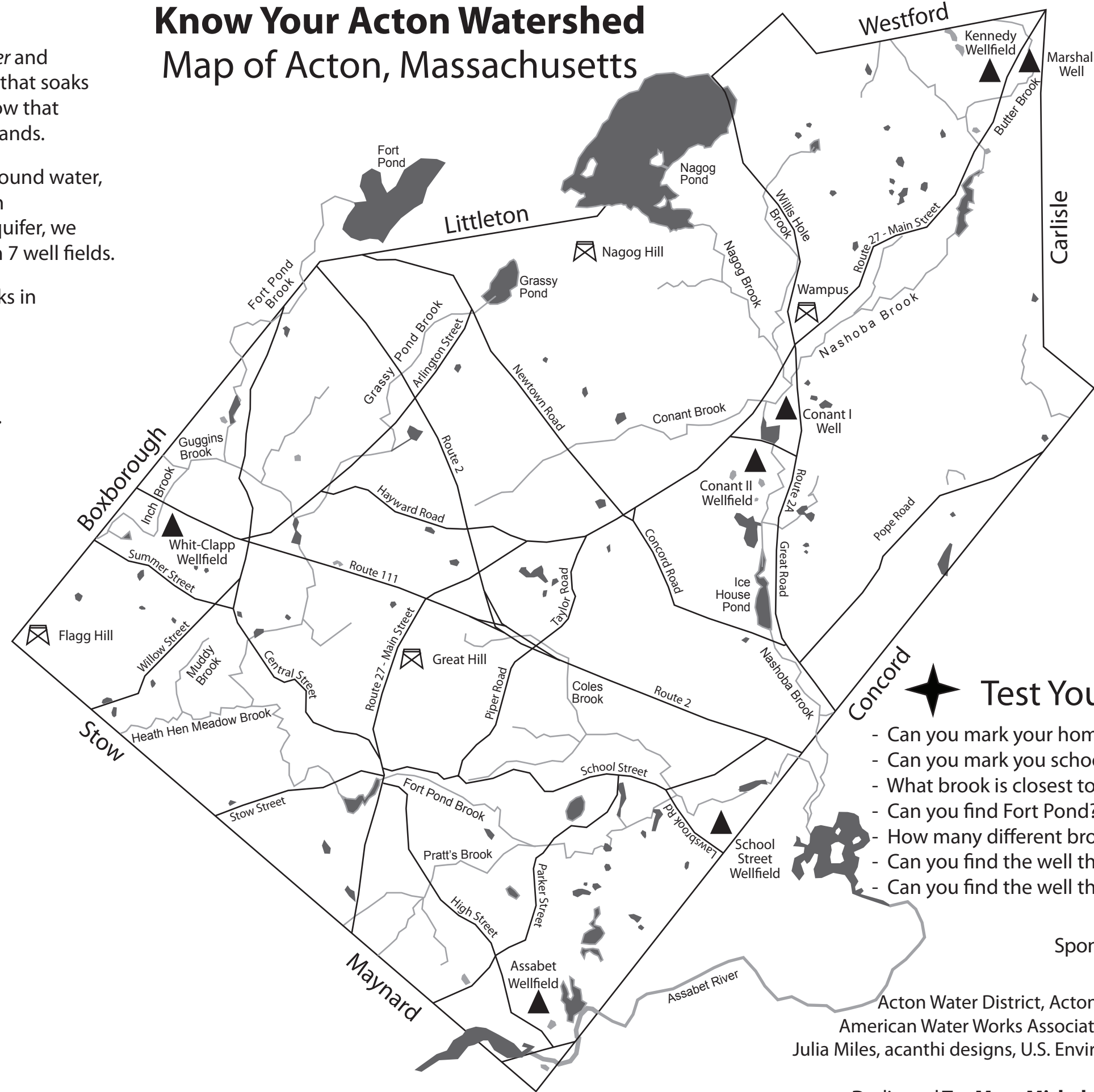
Drinking water comes from two places—ground water and surface water. Ground water comes from rain and snow that soaks into the ground. Surface water comes from rain and snow that remains on the surface in lakes, rivers, streams and wetlands.

In Acton, we get most of our drinking water from ground water, stored in underground areas called *aquifers* that contain porous rocks, like sponges. To extract water from the aquifer, we use wells. Acton's drinking water comes from 22 wells in 7 well fields.

A *watershed* is a drainage area. Since all of our brooks in Acton drain into the Assabet River, we are part of the Sudbury/Assabet/Concord (SuAsCo) River watershed.

Protecting our watershed and conserving our water resources is key to protecting our public drinking water.

Know Your Acton Watershed Map of Acton, Massachusetts



Acton Brook Search



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

Find These Acton Brooks:

- | | | | |
|--------|-------------|-----------|------------|
| Butter | Fort Pond | Guggins | Nagog |
| Coles | Inch | Heath Hen | Nashoba |
| Conant | Grassy Pond | Muddy | Pratt's |
| | | | Wills Hole |



Legend

-  Storage Tank
-  Well/Wellfield

★ Test Your Map Skills

- Can you mark your home on the Acton map?
- Can you mark your school on the map?
- What brook is closest to your home? _____
- Can you find Fort Pond?
- How many different brooks can you find? _____
- Can you find the well that is closest to your house?
- Can you find the well that is closest to your school?

Sponsored by www.actonpip.org
with support from:

Acton Water District, Acton Stream Teams, Green Acton,
American Water Works Association, The Discovery Museums,
Julia Miles, acanthi designs, U.S. Environmental Protection Agency

Dedicated To: **Mary Michelman**, Acton Environmentalist