

The Lincoln Water System Presents:

HORACE the **HIPPO'S**

WATER
WORKBOOK



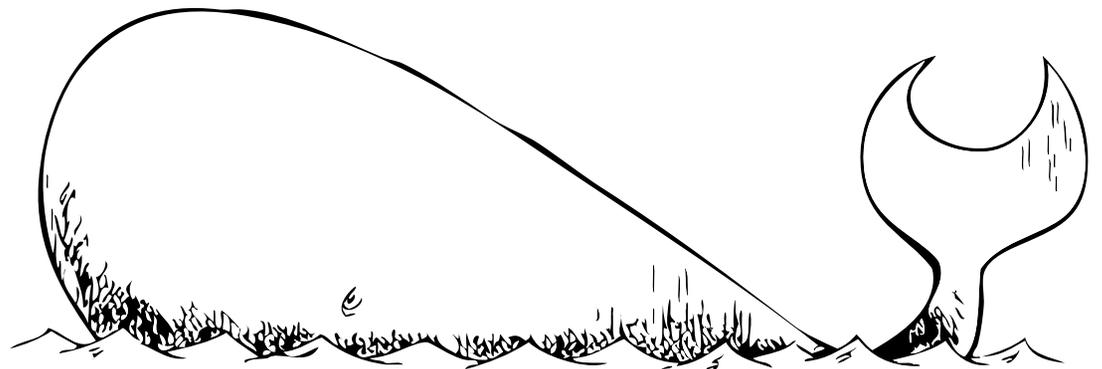
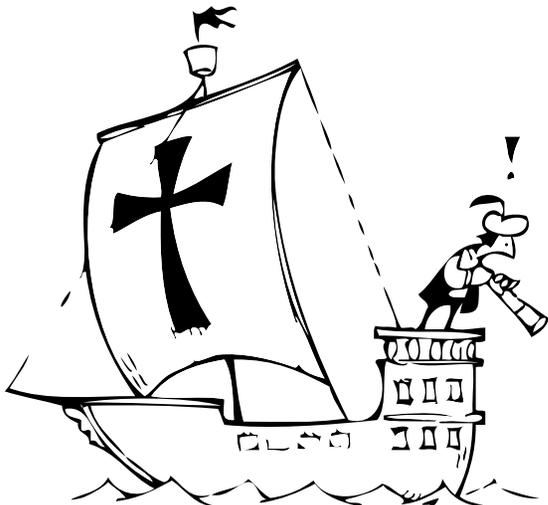
FUN FACTS ABOUT A NEBRASKA TREASURE!

Illustrations by Paul Fell

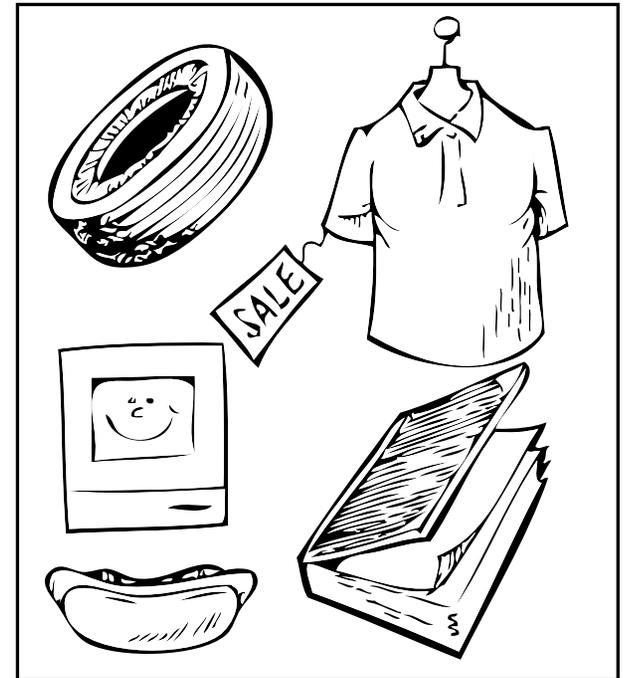
WATER from NATURE



There's as much water in the world today as there was thousands of years ago. Actually, it's the same water. Dinosaurs drank it, cavemen bathed in it, Moses parted it, Columbus sailed on it. Today, whales are swimming in it...and you drink it.

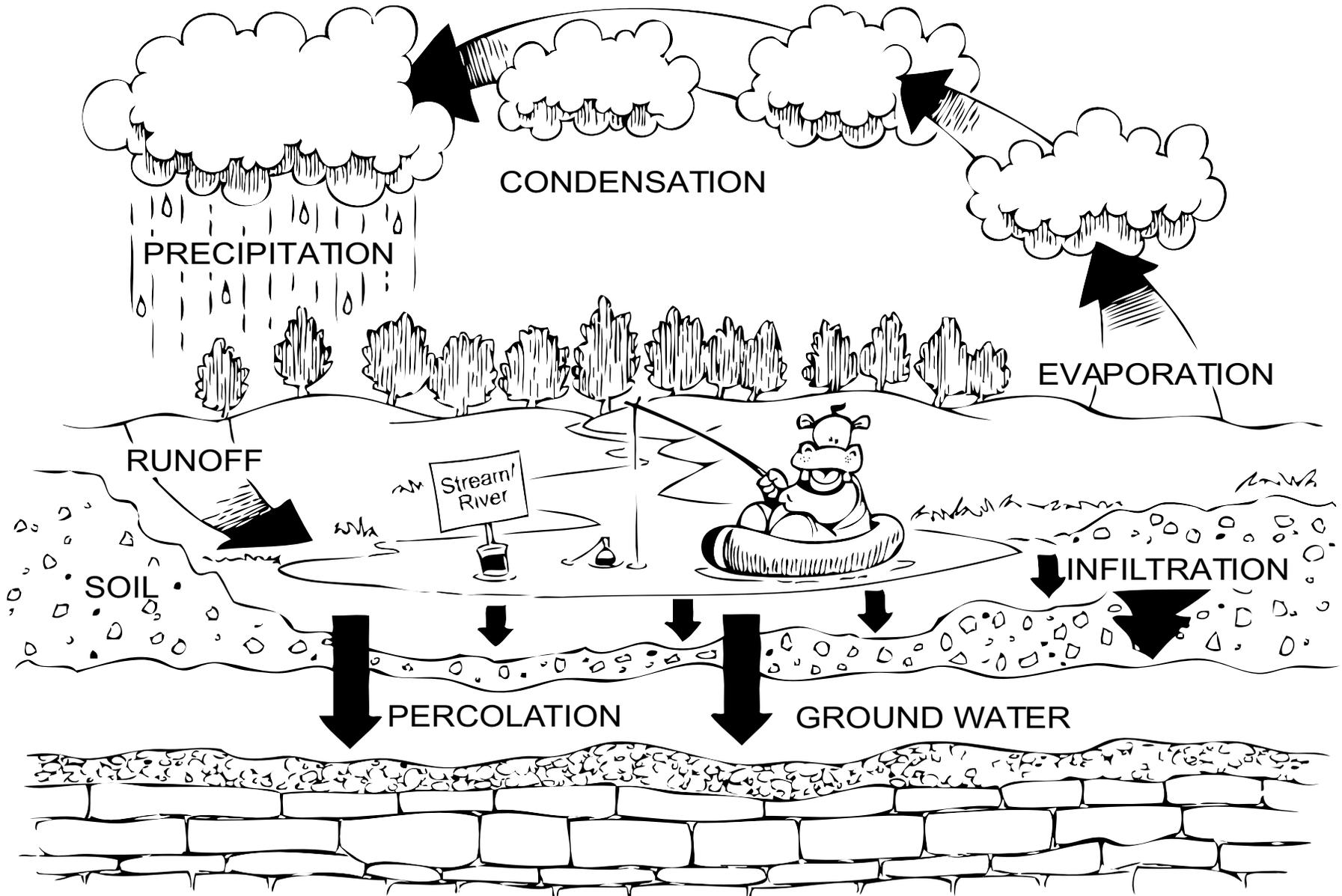


WATER USES



Every animal, every plant, every living thing on earth must have water to live. We use water to drink, wash, grow plants and put out fires. We also use water to make things like tires, paper, food, clothes and even computers.

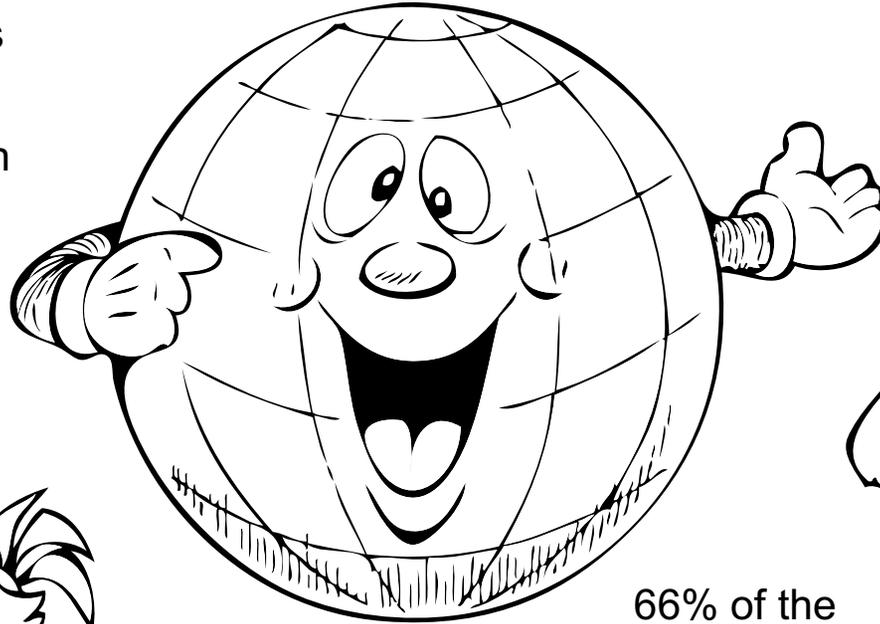
But that's okay because water is recycled through a never-ending chain of events called the **HYDROLOGIC CYCLE** . Water goes around in circles. It falls from the sky as rain or snow. When it lands on earth it flows over or into the ground. Sooner or later it evaporates and goes back into the sky.



WATER FACTS

80% of the Earth's surface is water.

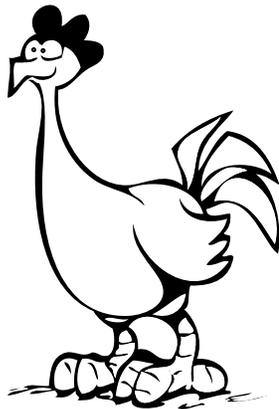
97% is salty ocean or seas.



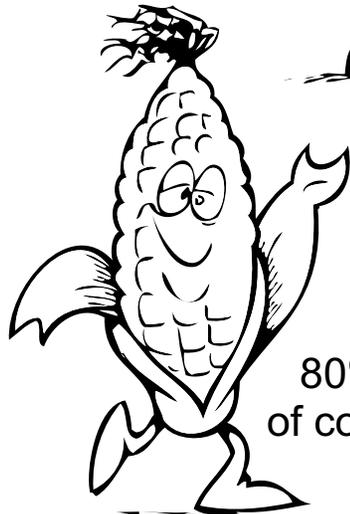
2% of the Earth is fresh water.

1% of the Earth's water is available for drinking, food production, washing, etc.

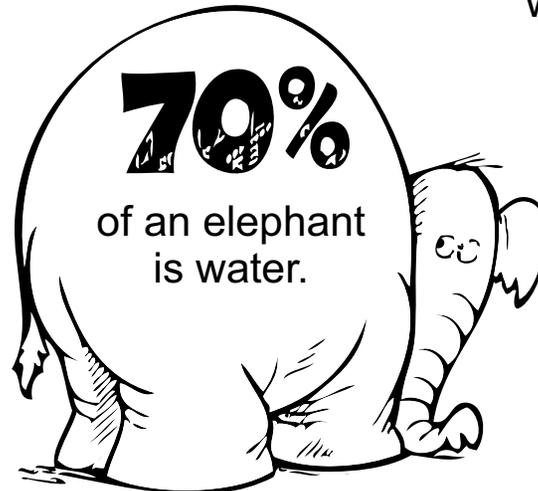
75% of a chicken is water.



66% of the human body is water.



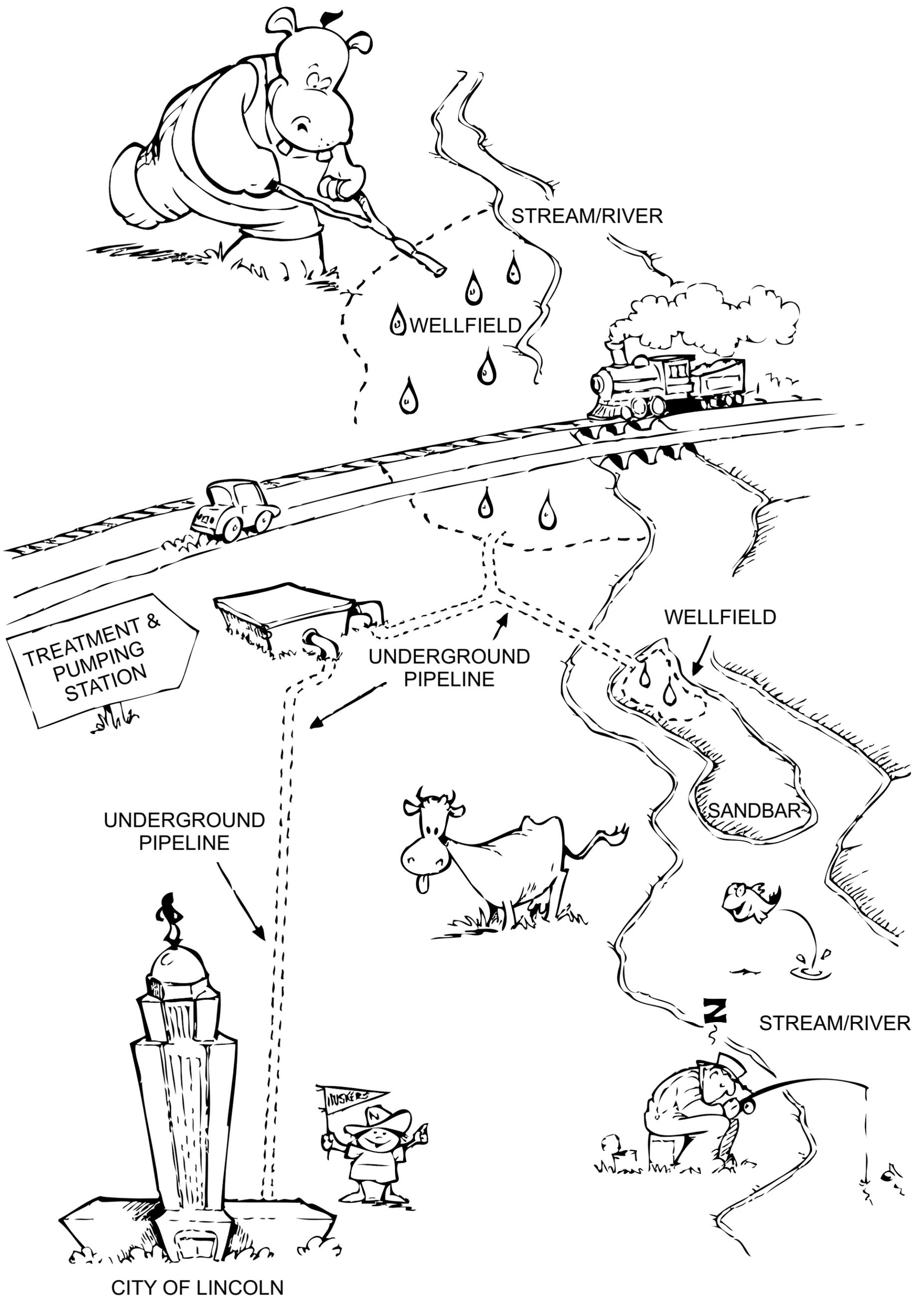
80% of an ear of corn is water.



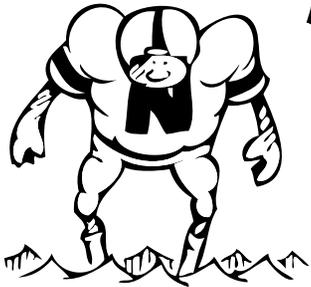
70%
of an elephant
is water.



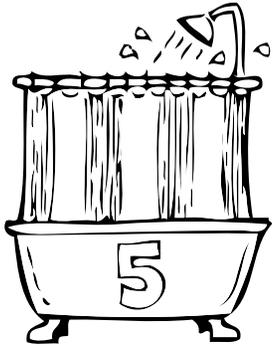
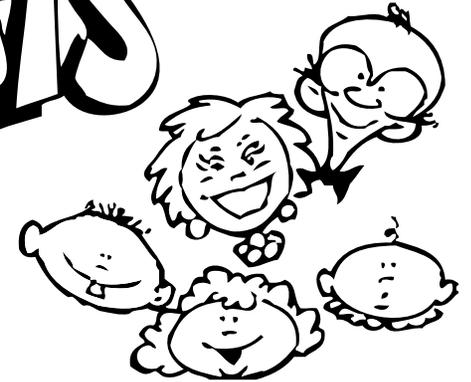
95% of a tomato is water.



MORE WATER FACTS



One acre-foot of water is about 325,900 gallons, enough to fill a football field to a depth of 1 foot or to supply the needs of a family of five for a year.

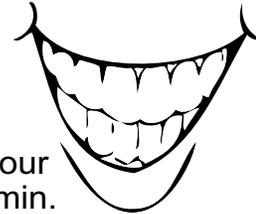


Taking a shower uses 5 gallons of water a minute.

About 9.3 gallons to process one can of fruit.



Brushing your teeth for 2 min. while running water takes 6 gallons.



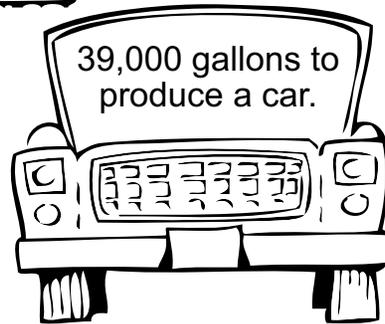
Taking a bath uses 30 gallons of water.



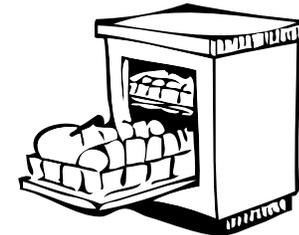
We drink about 2.5 quarts. (From all sources, food, colas,



39,000 gallons to produce a car.



Automatic dishwashers use 12 to 15 gallons of water.



Washing a load of clothes uses about 50 gallons of water.

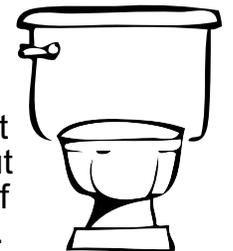
Lincoln uses 13 BILLION gallons of water a year...



Enough to fill Pawnee, Branched Oak & Wagon Train Lakes!

The average person in Lincoln uses 100 gallons per day.

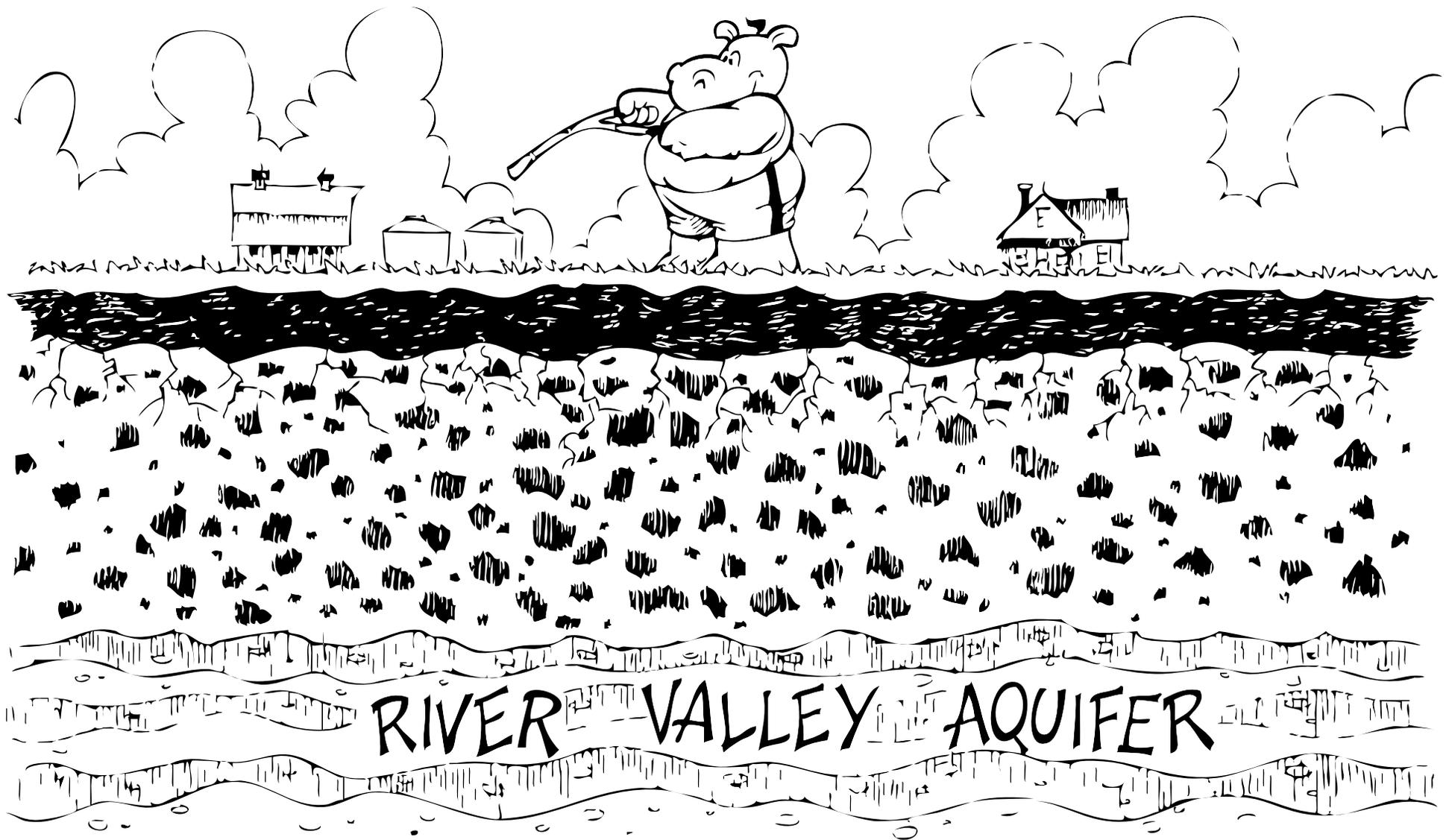
A leaky toilet wastes about 50 gallons of water a day.



Flushing a toilet uses 3 to 7 gallons.

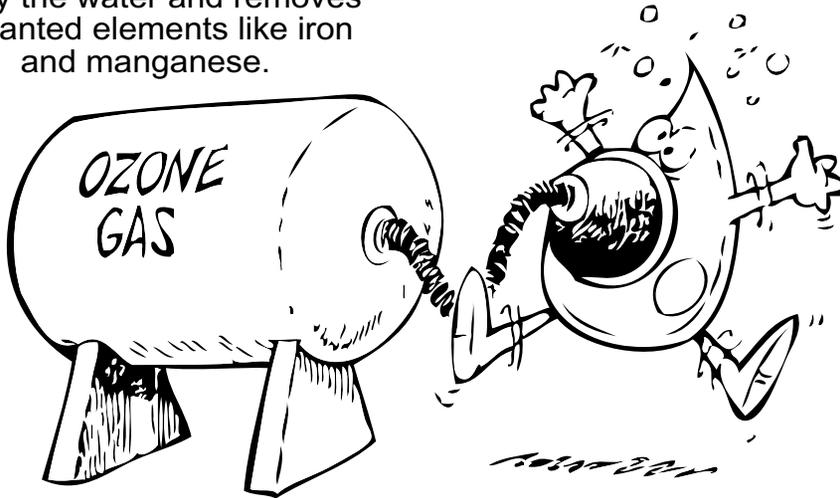
WHAT IS AN AQUIFER...?

An aquifer is a natural underground reservoir where water is stored until we need it. The inside of an aquifer holds water, something like a sponge, but it is actually filled with sand and gravel particles. Water fills the holes between the sand and gravel particles.

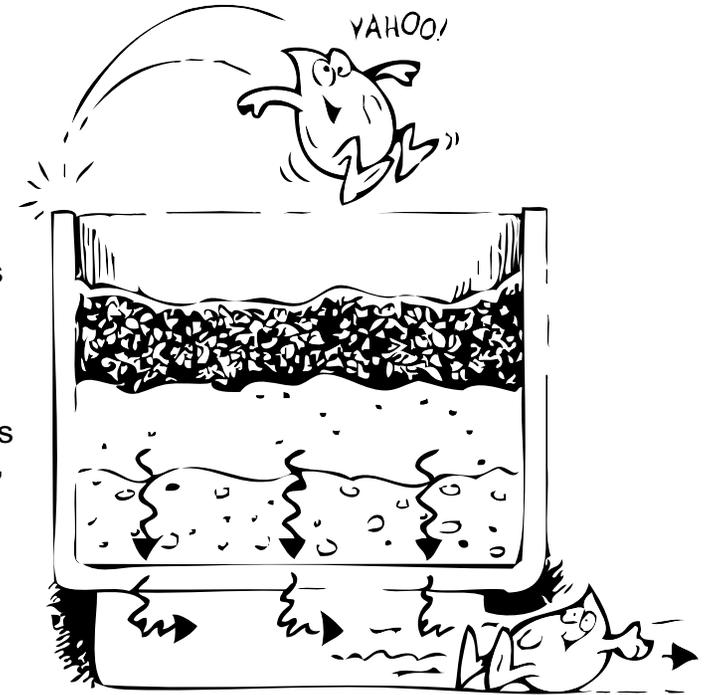


WHAT HAPPENS AT LINCOLN'S WATER TREATMENT PLANT?

1. Water is processed using ozone gas. Ozone helps purify the water and removes unwanted elements like iron and manganese.



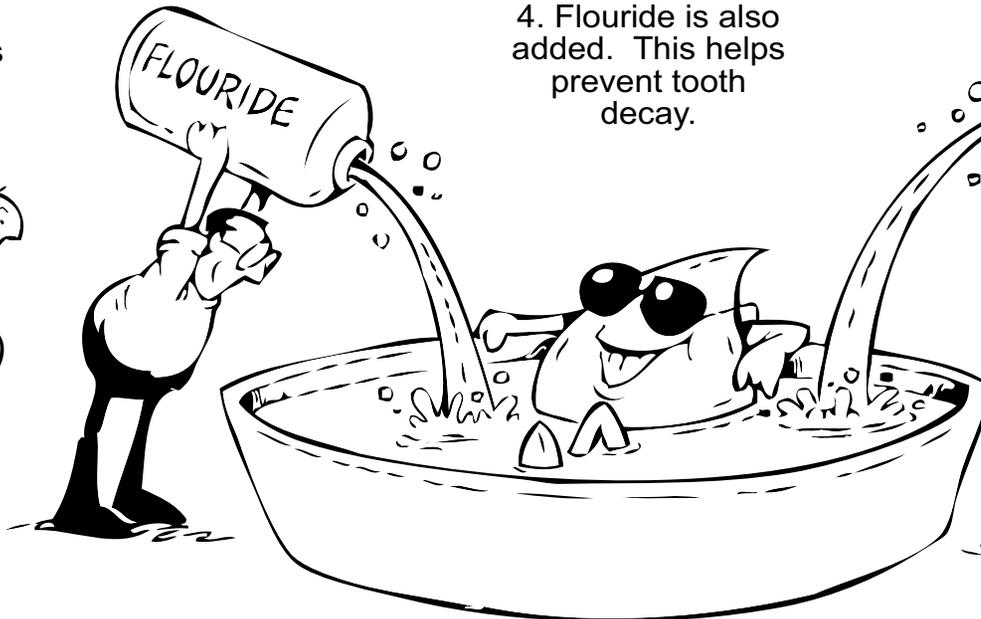
2. When water arrives at the treatment plant it is filtered through layers of anthracite, sand and gravel.



3. Chlorine is added to kill germs and make water safe to drink.



4. Flouride is also added. This helps prevent tooth decay.



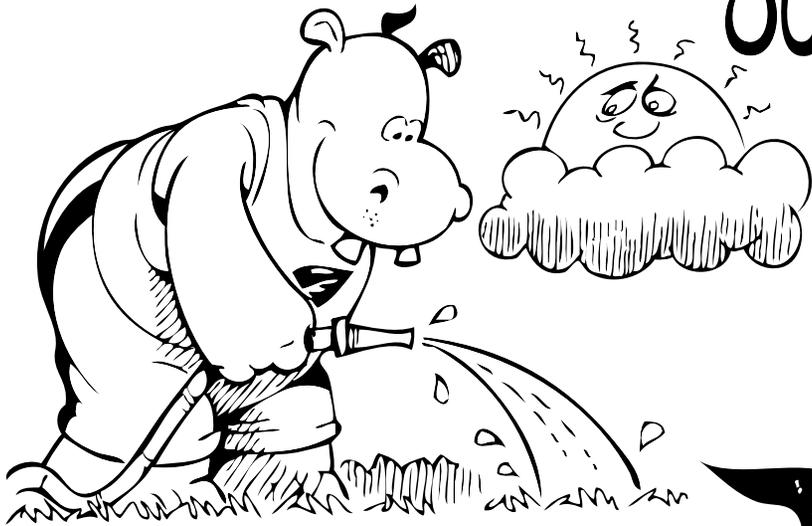
5. Anhydrous Ammonia is also added. It combines with chlorine to keep the water disinfected throughout the Lincoln system.



USE WATER WISELY

OUTDOORS

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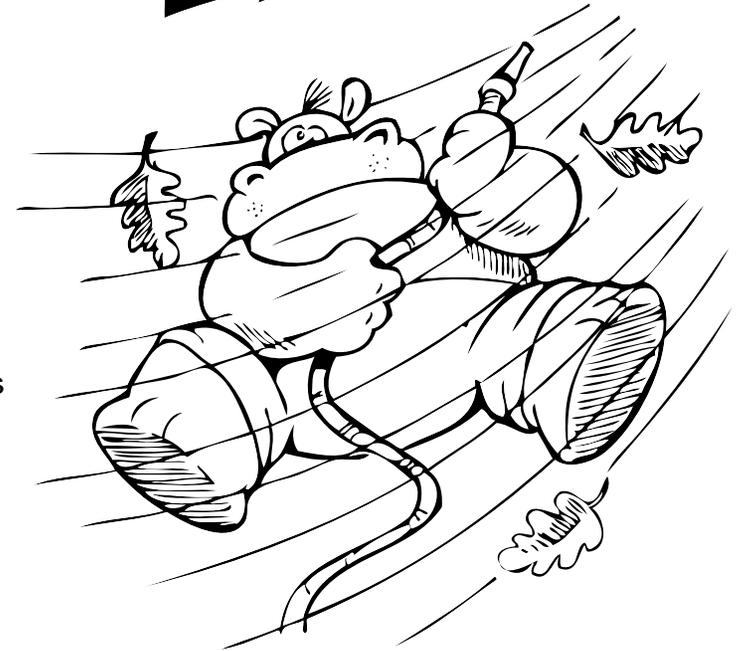
Choose plants and grasses that use less water.



Water your lawn during the cool part of the day.

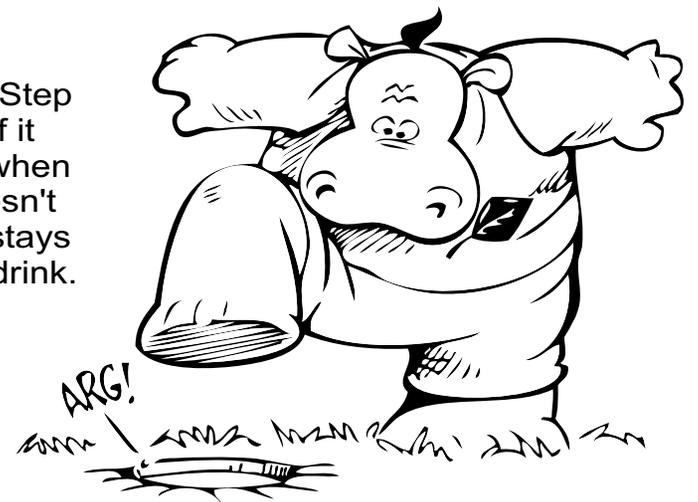


Position sprinklers so water lands on the lawn, not the sidewalk or driveway.



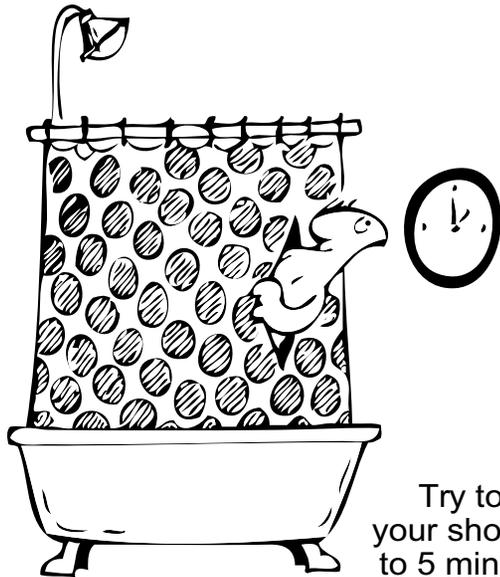
Avoid watering on windy days.

Try the step test. Step on the grass. If it springs back up when you move, it doesn't need water. If it stays flat, it's due for a drink.



USE WATER WISELY 0000

INDOORS



Try to limit your showers to 5 minutes.

By using a low water use shower head, every minute you spend in the shower uses about 5 gallons of water.

Turn off the faucet while brushing your teeth.



Avoid using the toilet as a wastebasket or ash tray. Extra flushes cost money and the items may cause expensive damage by clogging your plumbing system.



Turn off the hose while washing the car. Turn hose on only to rinse car off.



Check and correct leaky plumbing.

ACKNOWLEDGEMENTS

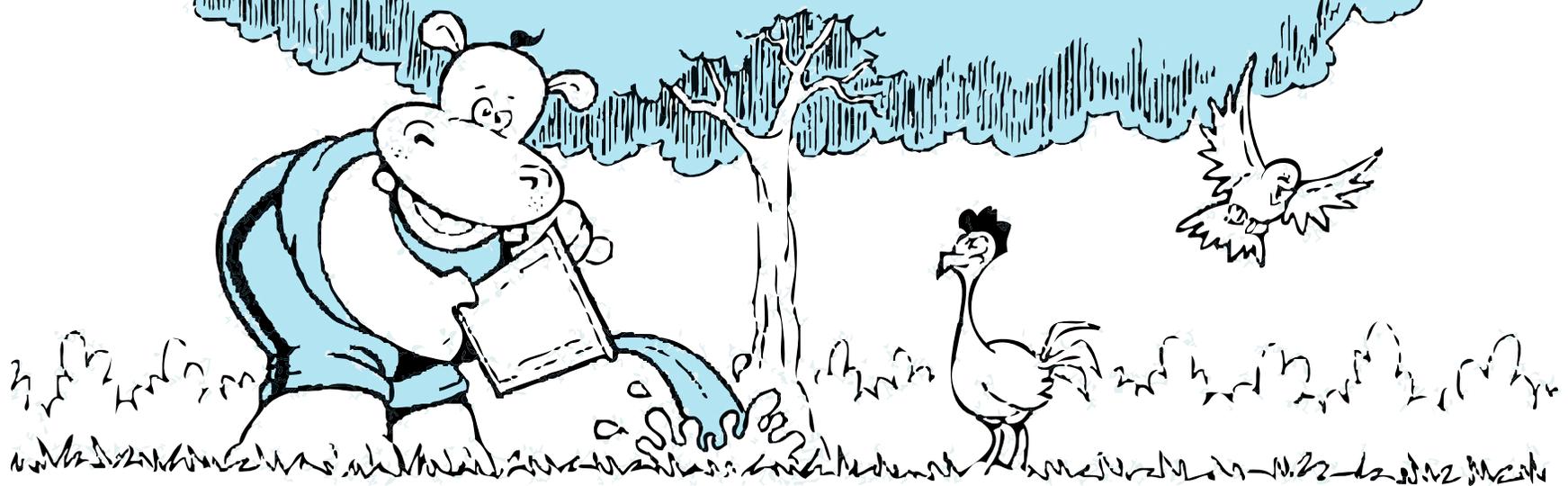
City of Lincoln Public Works & Utilities

Lincoln Water System

Rick Koepping, Creator of Horace

Citizen Information Center

Mayor's Water Conservation Task Force



Proud to be a
Groundwater Guardian Community

lincoln.ne.gov keyword: *conserve*

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