

WATER WIZARDS

"HOME BREW"

ACID RAIN

WATER WIZARD:

You learned a valuable lesson about water today. Share what you learned with your parents. Do you remember talking about these things?

1. How acid rain is made.
2. Where gases that pollute rain come from.
3. How acid rain affects plants and animals.

MORE WIZARD THINGS TO KNOW!

1. It takes about 400 pounds of coal to keep a single 100-watt light bulb burning for twelve hours each day for one year.
2. Burning the coal to make the energy to light the bulb makes about 90 pounds of pollution that causes acid rain.
3. It costs about \$39.00 to light the bulb for a year at 8.8 cents per kilowatt hour.
4. Ask a parent to explain these things to you. Then count all the light bulbs at your house (don't forget the porch). Multiply the number of lights times 90 pounds of pollution caused from lighting your house for one year. WOW!

WATER WIZARD WAYS TO SAVE THE EARTH!

1. Turn the lights off when you leave the room.
2. Use daylight when possible. Sit by the window to get more light.
3. Use fixtures that use only one bulb. One 100-watt bulb uses less energy and gives of 20 percent more light than two 60-watt bulbs.
4. Encourage your parents to switch to new fluorescent light bulbs which will fit regular light fixtures. One 18-watt fluorescent bulb provides the light of a 75-watt incandescent bulb. Even though they cost more, it lasts ten times longer and a single bulb will keep more than 80 pounds of coal in the ground and out of the air. Ask your parents to help you understand this.

Your work is awesome!

DO YOU CARE-ENOUGH?

The Clinch and Powell Rivers are very important to everyone in East Tennessee, even those who don't live directly in the drainage basin. The rivers are recreation areas which provide important living conditions for many kinds of wildlife.