



Chlorine:

- ◆ Chlorine is added to drinking water to kill bacteria and control algae.
- ◆ Chlorine is a disinfectant
- ◆ Too much Cl can irritate skin, burn eyes, cause water to taste funny and kill plants and fish
- ◆ A swimming pool has 2 times as much Chlorine as drinking water
- ◆ Bleach has 15,000 times more chlorine
- ◆ Chlorine will evaporate from water in time

Unscramble the letters to make words that appeared in the chlorine unit.

Iron:

- ◆ Iron is found naturally in water
- ◆ Too much iron can stain clothes (orange)
- ◆ Iron reacts chemically with oxygen to form rust

Copper:

- ◆ Acid water dissolves copper from pipes
- ◆ Creates blue-green stains
- ◆ Tastes metallic and bitter
- ◆ TAP WATER TOUR TEST:
Orange-none
Reddish brown- trace amount
Blue-positive test for copper

<u>N</u>	<u>H</u>	<u>R</u>	<u>L</u>	<u>I</u>	<u>E</u>	<u>C</u>	<u>O</u>
<u>R</u>	<u>S</u>	<u>E</u>	<u>G</u>	<u>M</u>			
<u>T</u>	<u>C</u>	<u>N</u>	<u>F</u>	<u>S</u>	<u>I</u>	<u>I</u>	<u>D</u>
<u>N</u>	<u>I</u>	<u>P</u>	<u>K</u>				
<u>I</u>	<u>A</u>	<u>E</u>	<u>T</u>	<u>A</u>	<u>C</u>	<u>B</u>	<u>R</u>
<u>Y</u>	<u>T</u>	<u>C</u>	<u>I</u>		<u>T</u>	<u>W</u>	<u>A</u>
					<u>R</u>	<u>E</u>	

Hardness:

- ◆ Hard water has a lot of calcium and magnesium minerals dissolved in it
- ◆ Causes spots on glasses
- ◆ Causes scale on showersheads
- ◆ Bathtub rings
 - ◆ Soap scum is caused by minerals in water sticking to soap molecules

Soft water:

- ◆ Contains no minerals. Soap flows through fabric and down the drain.

TAP WATER TEST:

BLUE- SOFT
PINK-HARD

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