

<b>Topic/Objectives:</b> 14-2 Uses of Fresh Water; (1) List the three primary categories of freshwater use, (2) Relate the causes of surface water depletion to their effects, (3) Explain the major causes and effects of groundwater depletion, (4) Describe strategies for addressing water depletion.	<b>Name:</b>
	<b>Date:</b>
	<b>Period:</b>

**Essential Question:** How can we change the way we use water?

<b>Questions:</b>	<b>Notes:</b>
	<p>Fresh water is used for agricultural, _____, and personal activities. Overuse of water is depleting available resources.</p> <ul style="list-style-type: none"> <li>◦ 77% of water in the US comes from surface water sources.</li> <li>◦ _____ is the process of moving water from its source to places for human use.</li> <li>◦ A dam may be used to block water to create artificial _____ to store water.</li> <li>◦ There are costs (ex. habitat alteration, sediment capture) and benefits (ex. clean power, flood control) to _____.</li> <li>◦ Surface water depletion has caused rivers and lakes to dry up (ex. Yellow River, Aral Sea).</li> </ul>
	<p>Groundwater is being used faster than it can be replenished.</p> <ul style="list-style-type: none"> <li>◦ _____ occurs when water is withdrawn faster than it is replaced, making it non-renewable.</li> <li>◦ Most groundwater is used for _____, which is very inefficient (lost as runoff, evaporation).</li> <li>◦ _____ can occur when soil is too saturated, oxygen exchanged is then hindered.</li> <li>◦ _____ occurs when salts buildup in the soil, which may make the ground unusable.</li> <li>◦ _____ leads to economic loss (ex. damage from surface subsiding) and environmental loss (ex. Wetlands damage)</li> </ul>
	<p>Decreasing demand for water will help with water depletion.</p> <ul style="list-style-type: none"> <li>◦ _____, helps evaporate freshwater from salt water.</li> <li>◦ Farmers are working to find better irrigation methods to conserve water (ex. _____).</li> <li>◦ Many companies work to _____ their own water.</li> <li>◦ Many water companies encourage residents to irrigate at night or use outdoor plants adapted for arid conditions (_____).</li> </ul>

[illegible]