

### Flashcard Template for Surface Water

Farming irrigation method that uses perforated pipes to get water directly to the plant roots	Trickle irrigation	Most precipitation that falls on land	Infiltrates and becomes groundwater
Major source of fresh water for human use	Groundwater	The best way to reduce the demand on freshwater	Use water efficiently
The most common method of water <u>control</u> for our resources	Dams and reservoirs	The most common use of the world's freshwater	Crop irrigation
Less potable drinking water, desertification, and more waste and runoff	Events that are caused by increased population growth	The ultimate source of all the Earth's water	The Ocean
The zone that adds water from precipitation to the zone of saturation	The recharge zone	Excessive removal of groundwater in coastal areas can cause	Saltwater intrusion
Sewage, pesticides, & industrial chemicals are frequently the source of	Groundwater pollution	Precipitation that falls on land seeps into the soil and becomes groundwater	infiltration
Rain, hail, snow, sleet (water in liquid or solid form falling from clouds)	precipitation	The land above an aquifer sinks due to excessive groundwater withdrawal	Subsidence
The zone just below the water table	The zone of saturation	In the United States freshwater is scarce	The Southwestern States
-from an identifiable source. Leaking chemical barrels, landfill drainage, broken gas tanks	Point Source Pollution	Waste Water Runoff from any source, melted snow with de-icing salts	Non-point source pollution
The land that drains into a stream system	The watershed	Impermeable barrier like clay or shale	An aquiclude
Permeable underground layer through which groundwater flows	An aquifer	The difference between the original water table & the level of a pumped-out well	Drawdown
The largest percentage of freshwater on Earth	In Glaciers	In the water cycle, the step where water changes from a liquid to a gas vapor	evaporation
In the water cycle, the step where cooling water vapor turns into liquid cloud droplets	condensation	Very porous soil material	Sand and gravel
The unending circulation of Earth's water	The Water Cycle	Clay and shale are	Impermeable materials water can't go through
The upper boundary of the zone of saturation	The water table	Chronic water shortages in the world	Africa
Evaporation of water from plant leaves	Transpiration (evapotranspiration)	Water flowing downslope in rivers or streams	runoff
In waste water treatment, screens remove debris and sand then	Scrappers skim for floating fats and oils	The last 2 steps of waste water treatment occur when bacteria breaks down sludge in aeration lanes then	Chlorine and UV lights disinfect the water