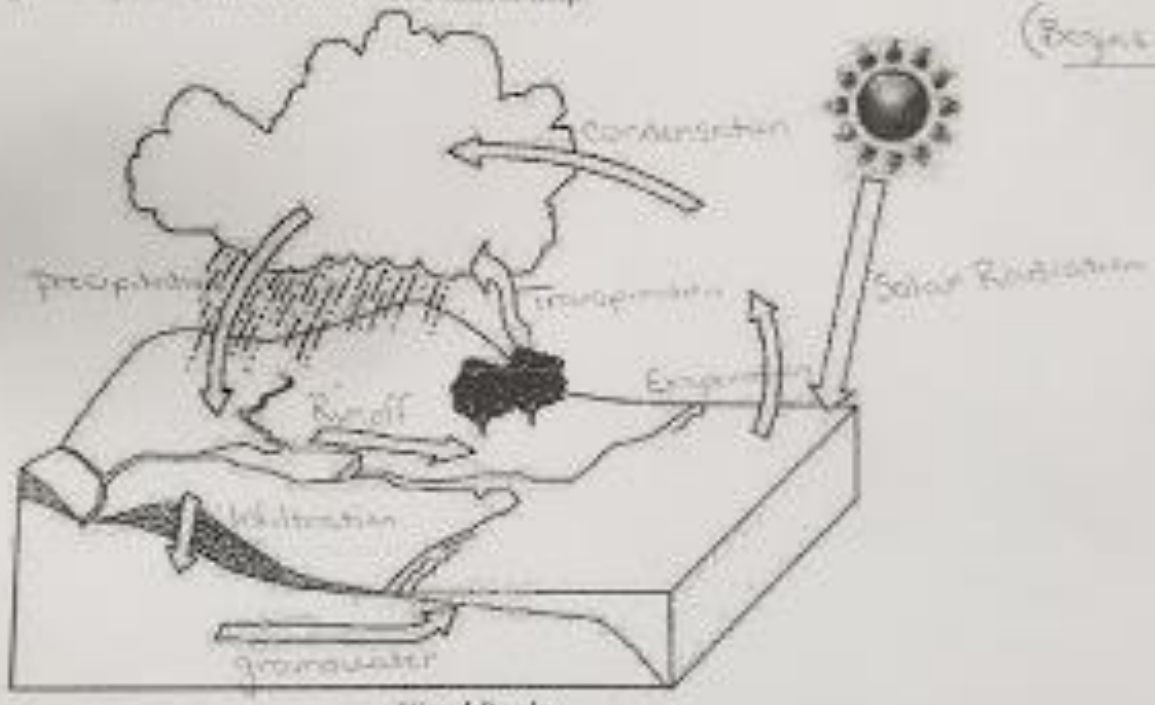
Water Cycle Exit Card

Pretend you are a drop of water. Describe a trip through the water cycle. Begin your journey in the ocean. For each phase of your journey, be sure to explain how heat energy and/or gravity are affecting you.

1) Solar Radiation heats up the water droplet 2) The water droplet changes its state from a liquid to a gas, also known as water vapor. Water vapor rises up into the air during evaporation 3) water vapor begins to cool and changes state back into a liquid as it condenses together to form clouds during Condensation. 4) Water precipitates back to the ground due to the force of Gravity. 5) water can infiltrate, become ground water, or become runoff (Begin again)

II. Water Cycle Video. There is no audio, so be sure to watch carefully as the sun comes up and heats the land and water, and then goes through the whole water cycle. Be sure to label the arrows on your water cycle diagram as you watch. Use the word bank for help.



Word Bank:

Evaporation	Run off	Infiltration
Condensation	Groundwater Runoff	Solar Radiation
Precipitation	Transpiration	

1. Which parts of the water cycle require energy from the sun?

   Evaporation, transpiration

2. Which parts of the water cycle require the water molecules to give away heat energy (cool down)?

   Condensation, precipitation

3. Which parts of the water cycle are caused by the force of gravity?

   Precipitation, runoff, infiltration, groundwater