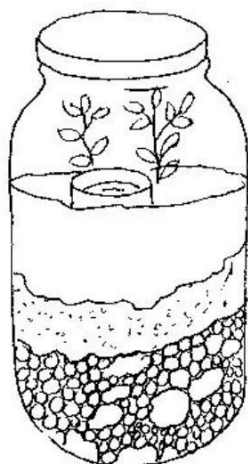


BUILD A WATER CYCLE (Hydrologic Cycle)

Observe stages of the **water cycle** including **transpiration**.



You Will Need:

- ~ soil
- ~ small rocks or gravel
- ~ sand
- ~ small plants with roots
- ~ mason or mayonnaise jar with lid
- ~ bottle cap or shell to contain water

Instructions:

- Fill the jar with small rocks or gravel.
- Add a layer of sand (about 1 inch.)
- Add a layer of soil (about 1 inch.)
- Add plants, covering all roots with soil.
- Fill the bottle cap or shell with water.
- Place cap on top of the soil.
- Cap the jar and place it in a sunny location.

Observe: How transpiration and evaporation return water to the ground as "rain".

Think About It!

Air pollution mixed with water vapor forms acids which fall to the ground as **acid rain**, snow, fog or dew. Acid rain can damage buildings, cars, forests, and crops.