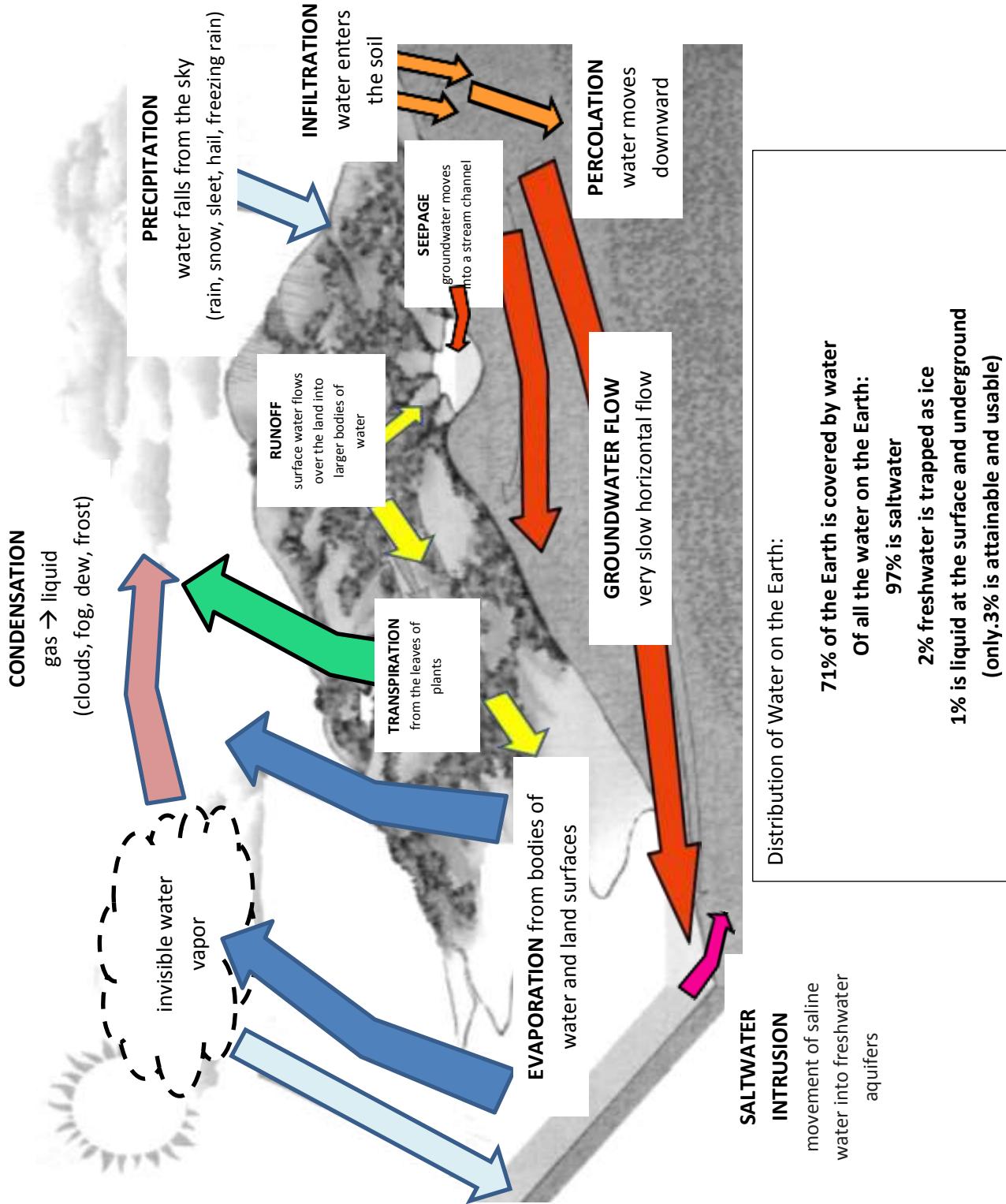


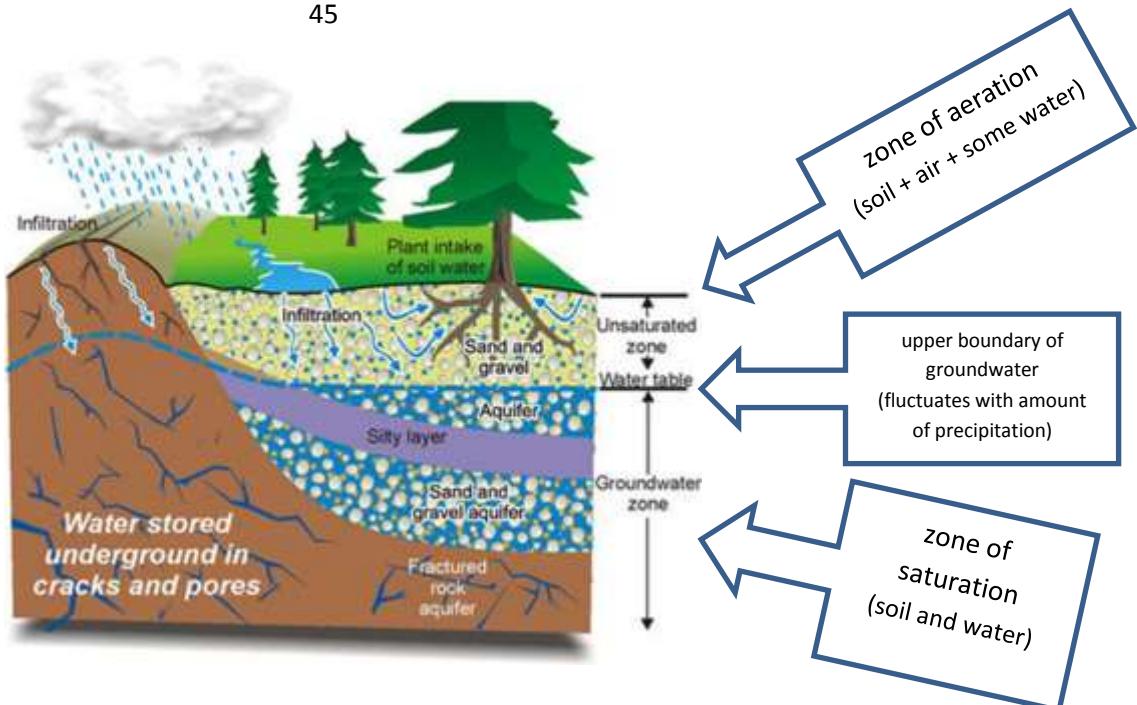
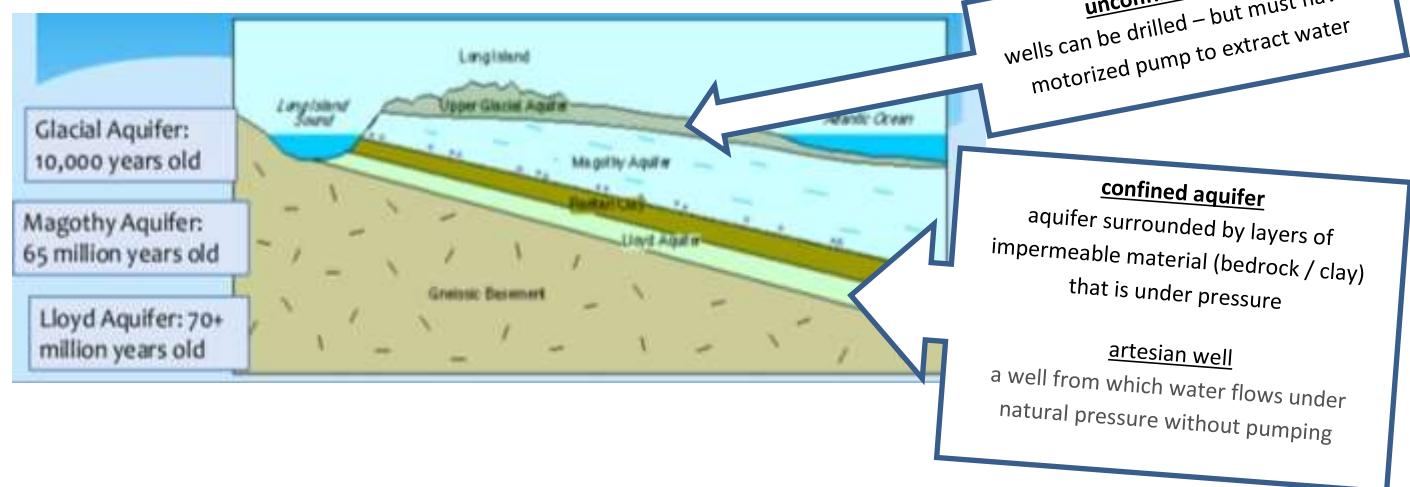
Aim: How is water cycled through the ecosphere (biosphere)?

- The hydrologic cycle is driven by:
- energy from the Sun
 - the force of gravity



Aquifers:

underground rock formations in which groundwater is stored and can be extracted

**Long Island Aquifers:****Human Influence on the Hydrologic (Water) Cycle:**

1. withdrawal of large quantities for heavily populated or irrigated areas
(can also lead to saltwater intrusion in coastal areas)
2. land-clearing leads to more runoff and less recharge of groundwater by infiltration
3. modification of water quality – addition of nutrients (fertilizers) and pollutants (pesticides and other chemicals)