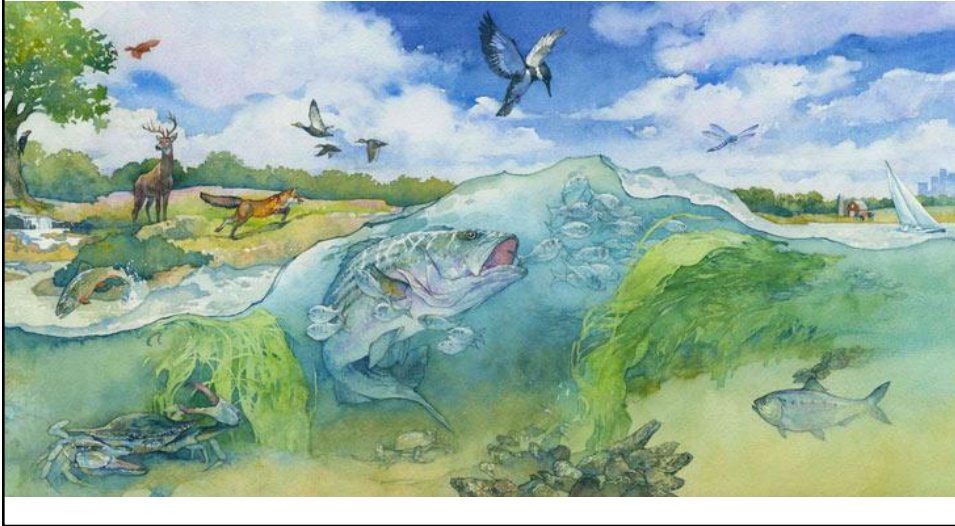
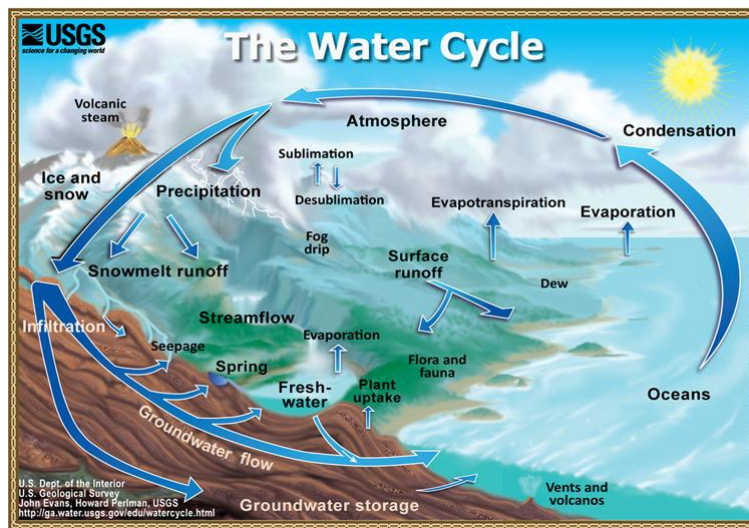


Unit A: Interactions and Ecosystems

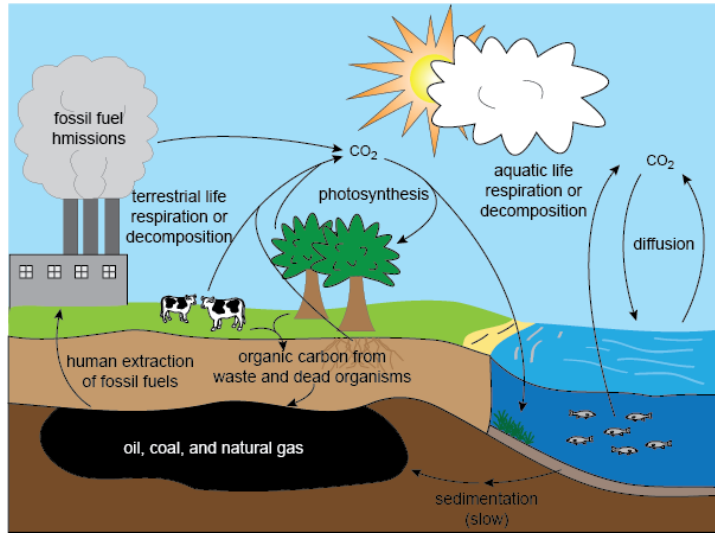


Topic 5: Cycles in the Environment



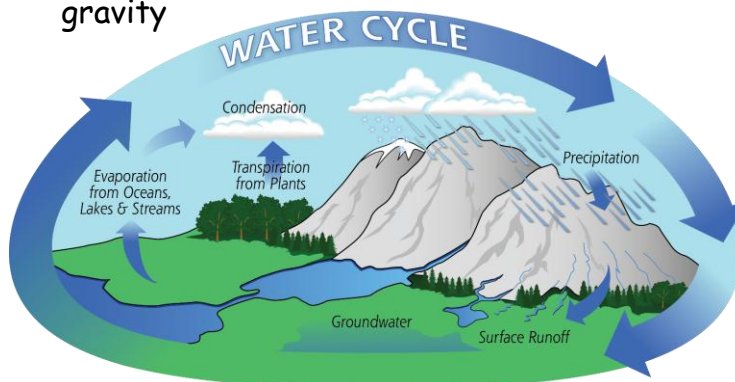
A. The Carbon Cycle

1. Carbon circulates around and around an ecosystem.



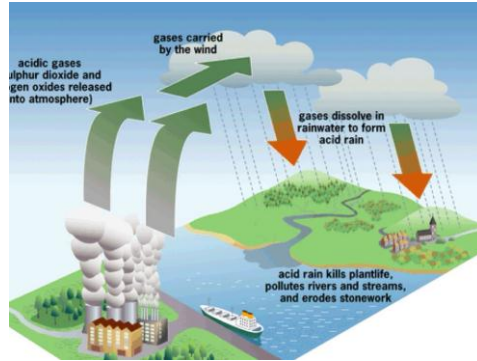
B. The Water Cycle

1. 4 processes
 - a) Evaporation - water from earth to atmosphere
 - b) Transpiration - water from plants to atmosphere
 - c) Condensation - water vapour (gas) into liquid
 - d) Precipitation - condensation that falls under gravity



C. Pollution in the Environment

- a) Pollution is when a substance is added to the environment at such a fast rate that it cannot be broken down, stored or recycled.
- b) Acid Rain (pH lower than 7)



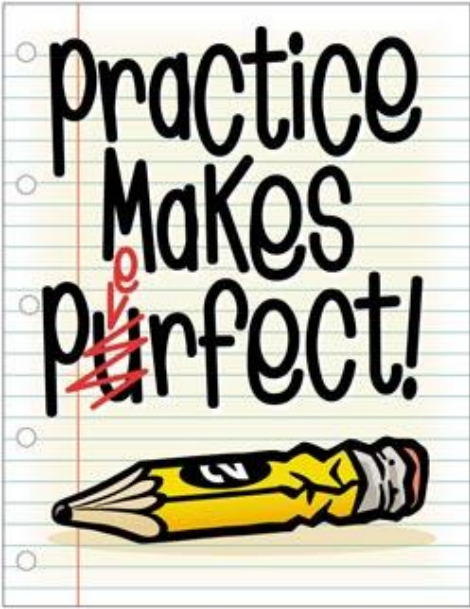
- c) Carbon Dioxide (CO_2) - burning of fossil fuels increases levels of CO_2 in the atmosphere

D. Bioaccumulation


1. When a substance builds up in a living organism though the consumption of organisms that already have the substance.
2. Biomagnification - where substances like mercury increases in concentration as it moves up the food chain.

Biomagnification ● mercury build-up





practice
Makes
~~per~~fect!



PRACTICE:
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