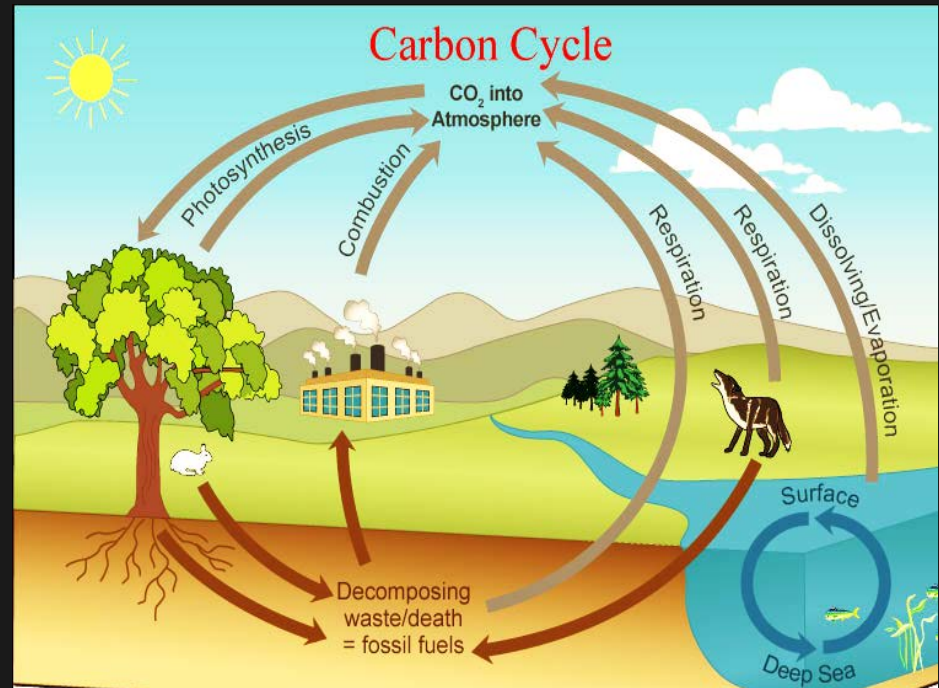
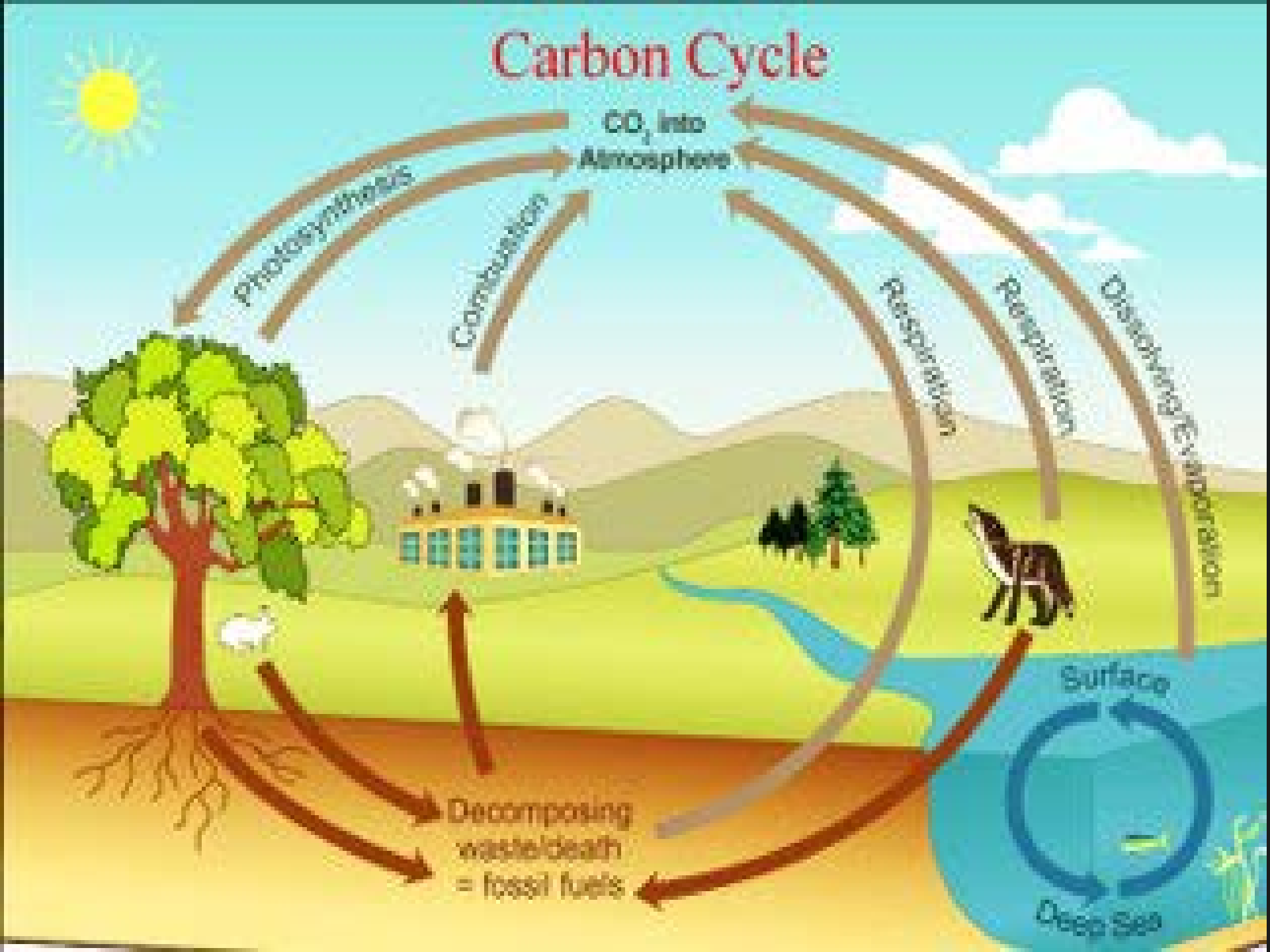


Carbon Cycle

1. Plants use CO₂ from the air for photosynthesis.
2. Animals eat the plants and breathe in O₂ and exhale CO₂
3. Plants and animals die → decompose
4. Nutrients → soil for fossil fuel and releases C into the atmosphere.



Carbon Cycle



Nitrogen Cycle

1. N_2 travels \rightarrow bacteria in soil for **nitrogen fixation**: $N_2 \rightarrow$ ammonium (NH_3)
2. Decomposers for **nitrification**= $NH_3 \rightarrow$ nitrites or nitrates.
3. Plants use nitrates to grow \rightarrow Animals eat the plants to grow
4. Plants and animals die = **decomposition** $\rightarrow N_2$ returns to the soil and atmosphere.

