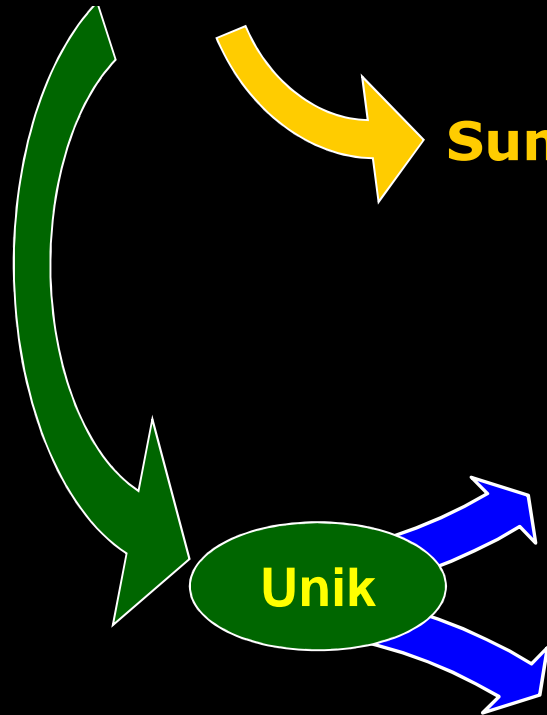


# Hidrosfer

# Unique role of water on Earth

- Oceans and ice on the surface act as a capacitor for regulating the storage of solar radiation (heat capacity)
- Oceans and atmosphere are instrumental in distributing the stored heat and regulating the global temperature (latent heats of vaporization/condensation and fusion, high heat conductivity) - currents and climate 'even out' the thermal energy
- Chemical properties make water a 'universal solvent'
- Solid phase is less dense than the liquid; this is rare, but causes ice to float - albedo or reflectance helps regulate surface temperatures
- The above features create 'weather' as well as effective erosional forces
- The abundance of water supports a rich array of life forms

# Hidrosfer



Kalor lebur  
kalor beku  
kalor uap **RENDAH**

$$\rho_{\text{padat}} < \rho_{\text{cair}}$$

# Daur Hidrologi