



## HYDROSPHERE: Overview Earth is the Water Planet: 71% of surface is water and 97% of all water is in the oceans. Ocean Movements: The oceans are a dynamic system with much activity and interactions. Water Temperature and Climate: Surface ocean temperatures affect air temperature and therefore climate. Oceans and People: Oceans play an important role in earth environment, influencing many things people do.









\* <u>Tides</u> (moving water bulges) are caused by the gravitational pull of the moon and sun and by the earth's rotation.

- <u>Tidal bore</u> (the true tidal wave) is the leading edge of the incoming or high tide, esp. evident when approaching shallow water
- <u>Tidal range</u> is the difference in height between high and low tide.



















