

# SIO 15 LECTURE 03: THE SOLAR SYSTEM AND THE LAYERED EARTH

Leftovers from Lecture 2

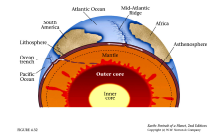
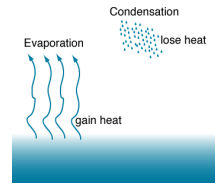
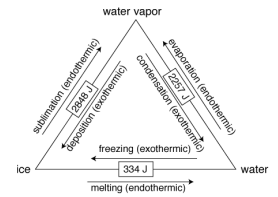
Heat Capacity

Evaporation and Condensation

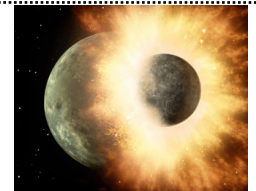
Heat Transfer and Mantle Convection

## The Concept of Latent Heat

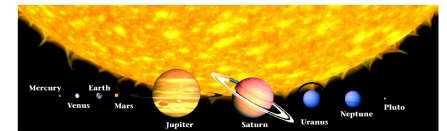
The 3 Phases of H<sub>2</sub>O



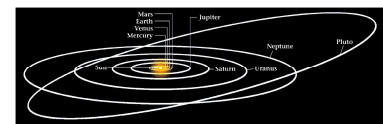
## Ages of the Universe, Sun and Earth



## Members of the Solar System



## Mass and Angular Momentum



## The Earth-Moon System; Tides

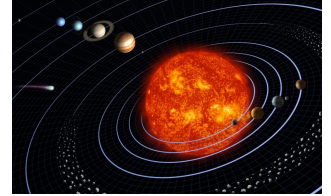


the Earth-Moon System and Observing Earth Tides, see short videos 3a and 3b  
short videos are test material

## Dwarf Planets



## Asteroids and the Asteroid Belt



## Comets, Kuiper Belt, Oort Cloud

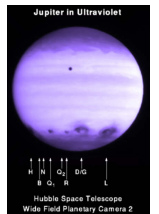


(a)

FIGURE 1.17

Earth: Portrait of a Planet, 2nd Edition  
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## Some examples



## Meteoroids, Meteorites and Meteors



## Some examples

