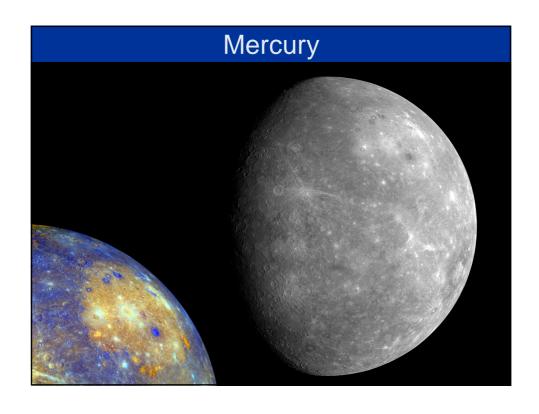
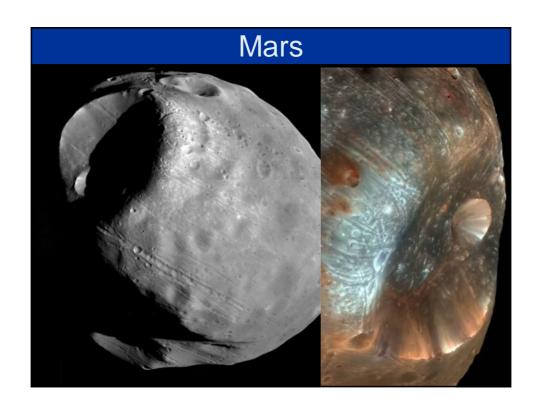
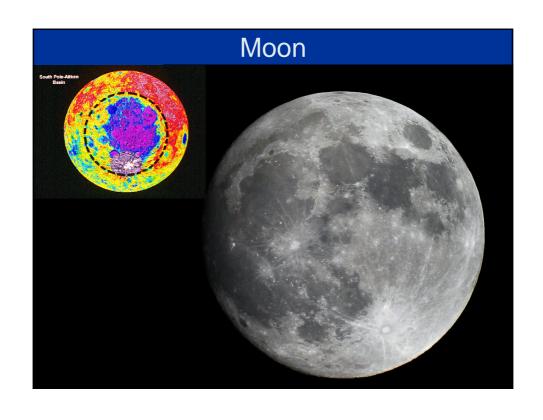
Impact cratering as a geological process Felix Bexkens

Importance

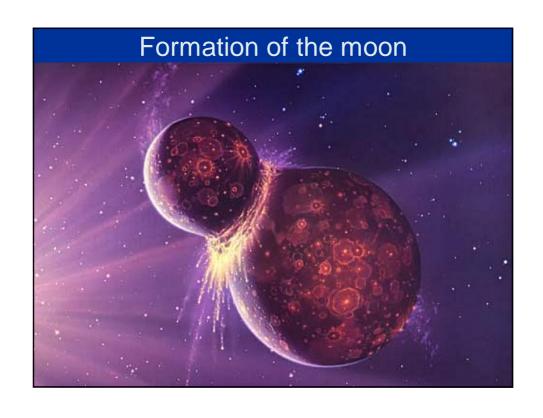
- A Geological process that affects all solid bodies in the solar system
- Evolution of the solar system
- Formation of the Earth/Moon system
- The Late Heavy Bombardment
- Evolution of life on earth



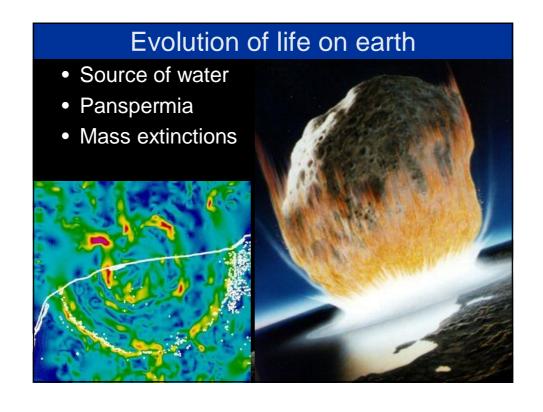


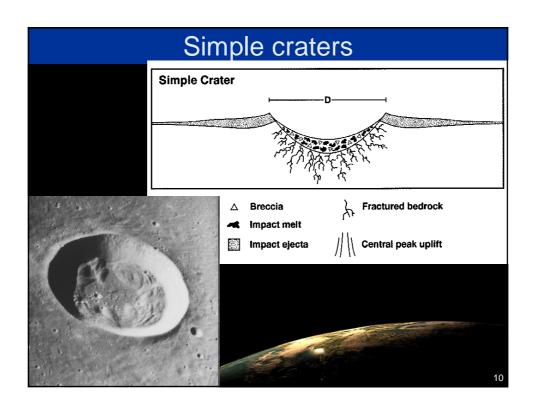


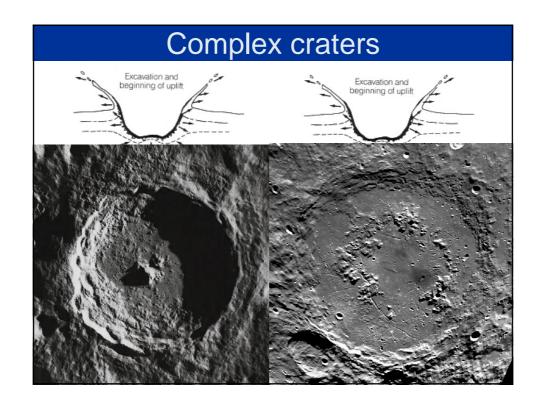


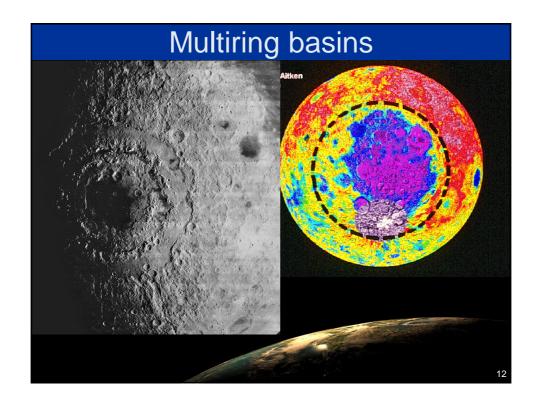


The Late Heavy Bombardment (LHB) Later stage of asteroid impacts Caused by change of orbit by Jupiter and Saturn The evolution of life on earth; panspermia Asteroids are a possible source of water on earth Cataclysmic Bombardment of Earth and Moon Earliest Isotopic Evidence of Life on Earth (-3.8 Ga) Earliest Fossil Evidence of Life on Earth (-3.5 Ga)









The South Pole - Aitken Basin

- 2500 km in diameter
- Depth of 12 km
- The largest impact structure on the moon and in the solar system
- Direct window into the lunar interior
- Oldest impact crater on the moon

