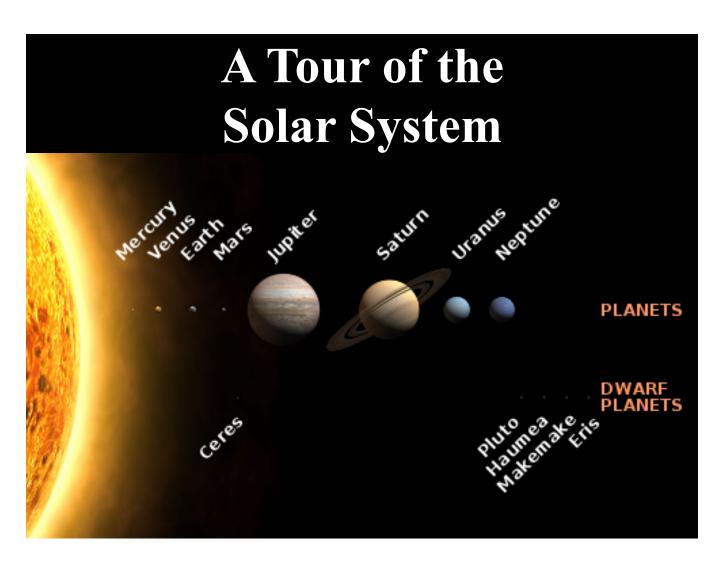


Lesson 1 Slide Presentation:

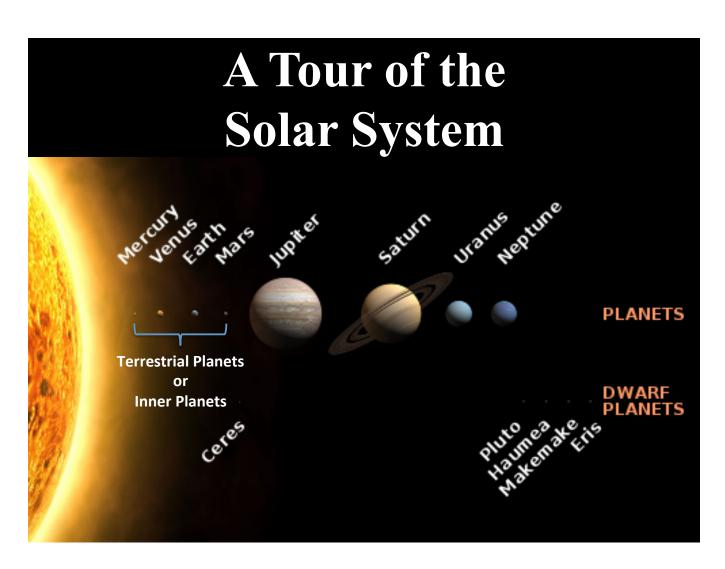
A Tour of the Solar System





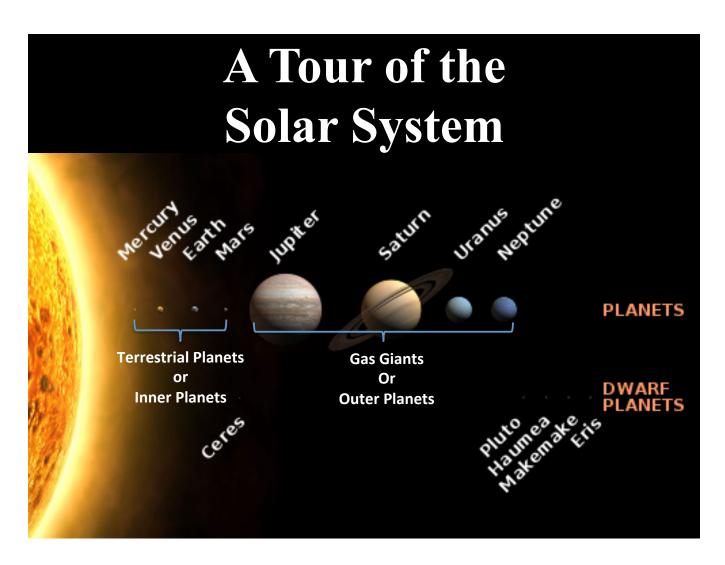
SLIDE 1





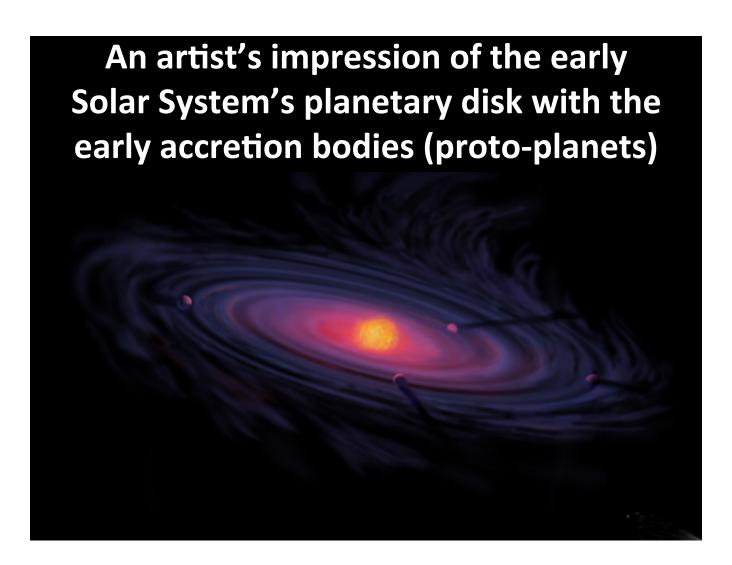
SLIDE 2





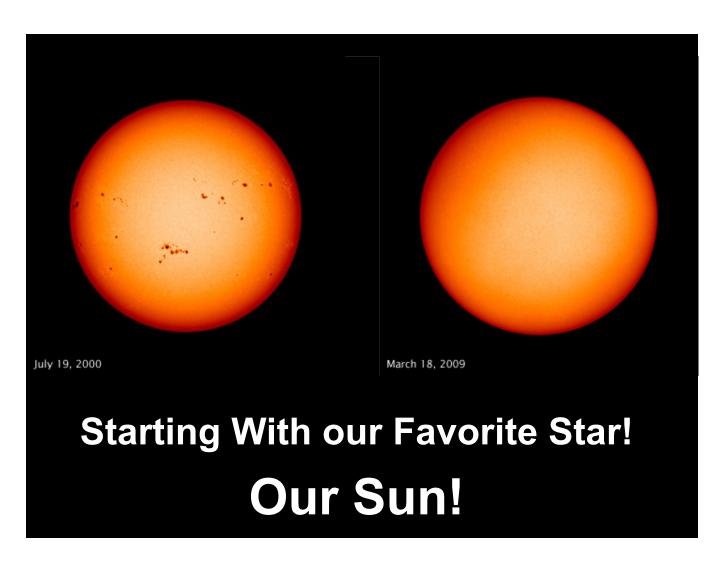
SLIDE 3





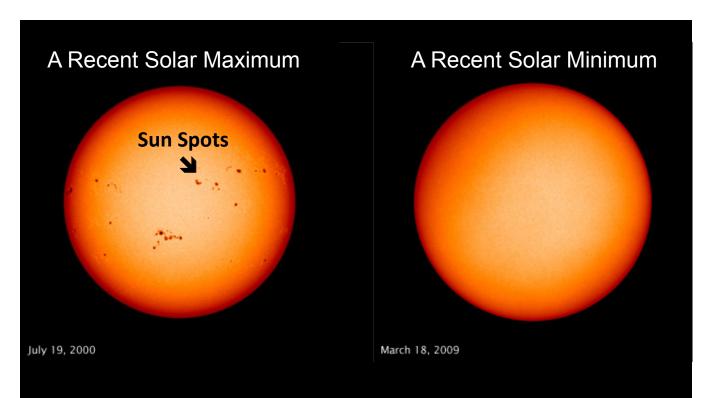
SLIDE 4





SLIDE 5

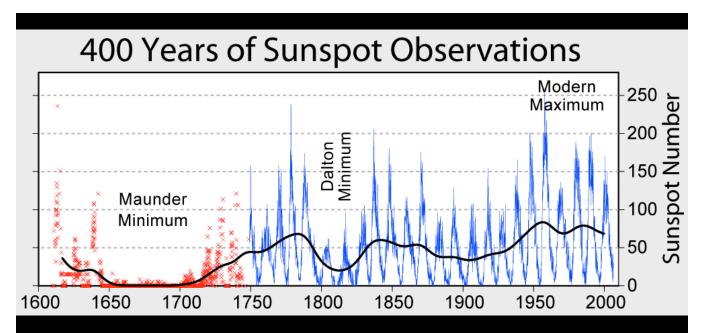




The Sun goes through a Solar Cycle every 11 years, from a period of maximum number of Sun Spots to a minimum number of Sun Spots

SLIDE 6

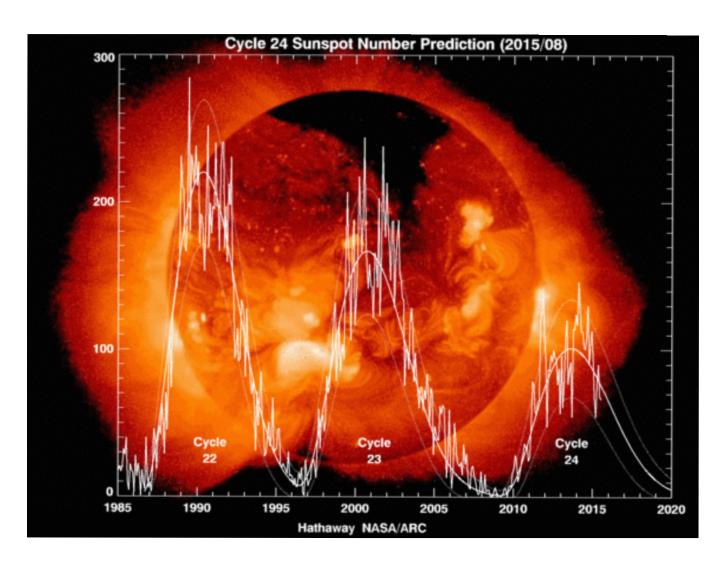




A Long-Term Record of Sunspot Activity Between 1609 and 2007, Showing the 11-Year Solar Cycle from Solar Maximum to the next Solar Maximum. The Current Solar Minimum (2008-2009) was Especially Long in Duration. The 2014 Solar Maximum (cycle 24) was much lower than the previous one (cycle 23).

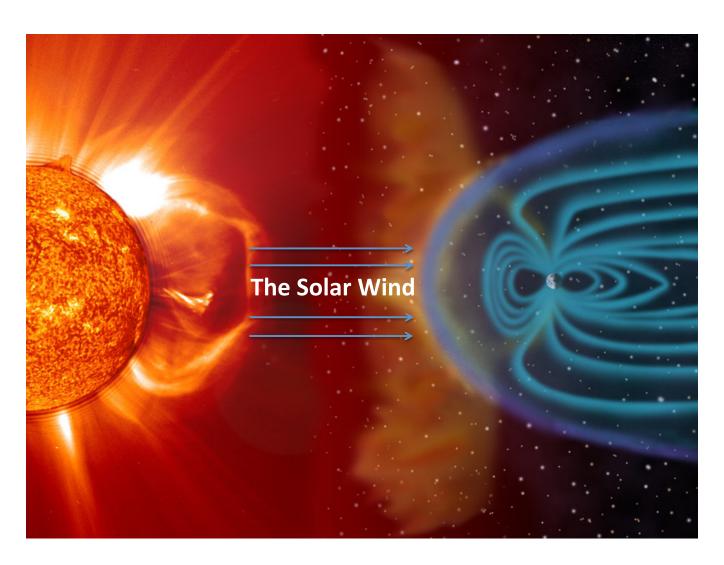
SLIDE 7





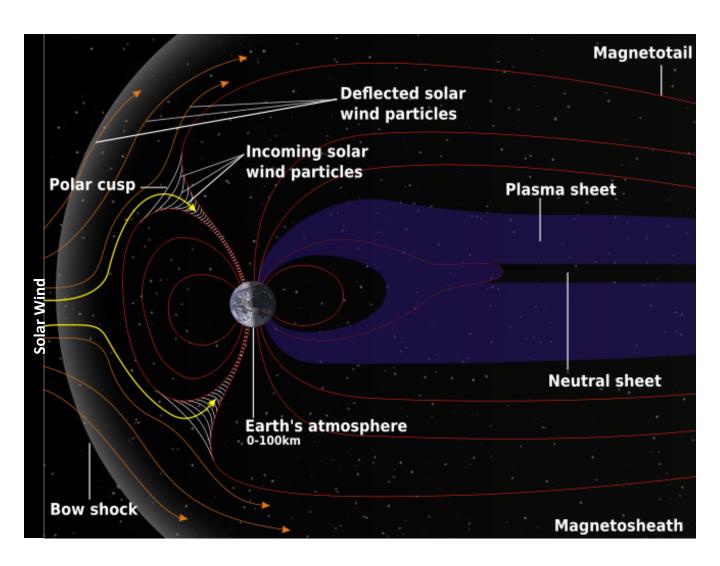
SLIDE 8





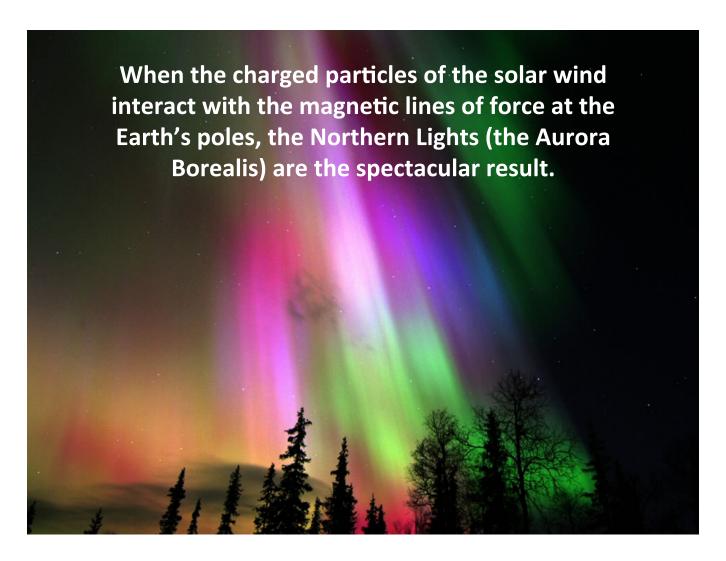
SLIDE 9





SLIDE 10





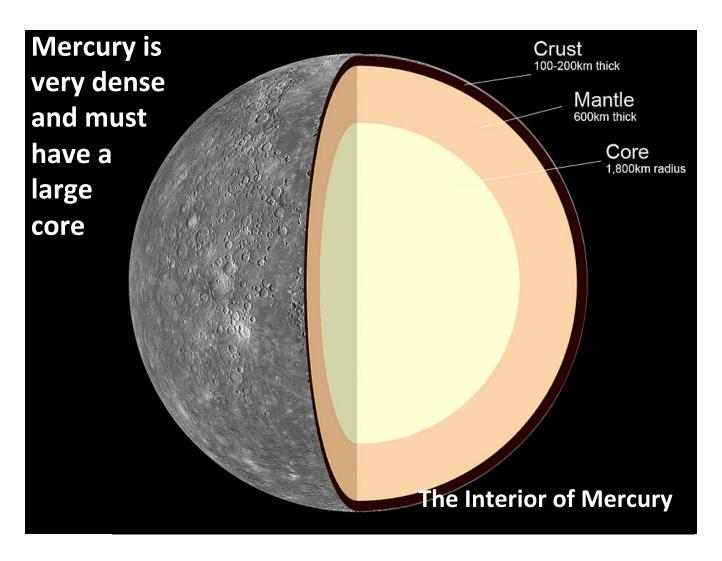
SLIDE 11





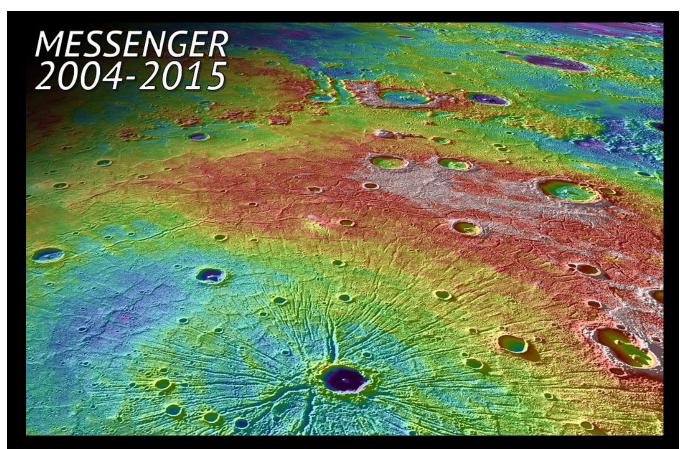
SLIDE 12





SLIDE 13





The NASA MESSENGER Spacecraft orbited Mercury for 4 years (2011-2015), mapping surface topography (High=Red, Low=Blue)

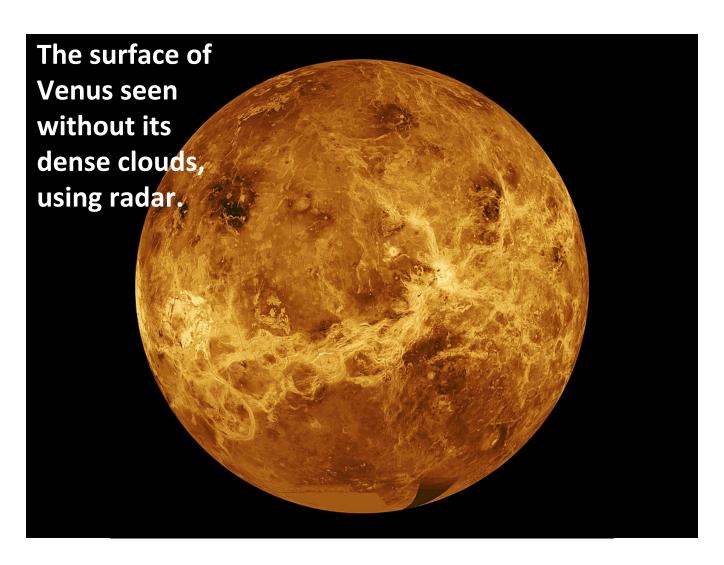
SLIDE 14





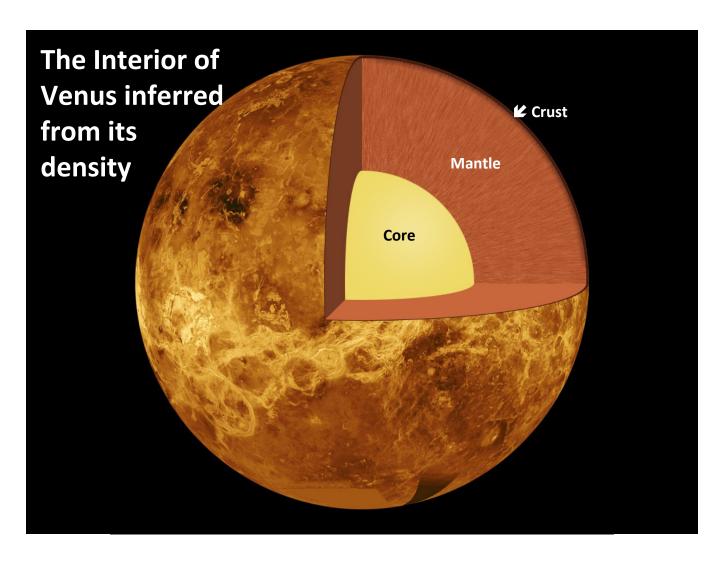
SLIDE 15





SLIDE 16

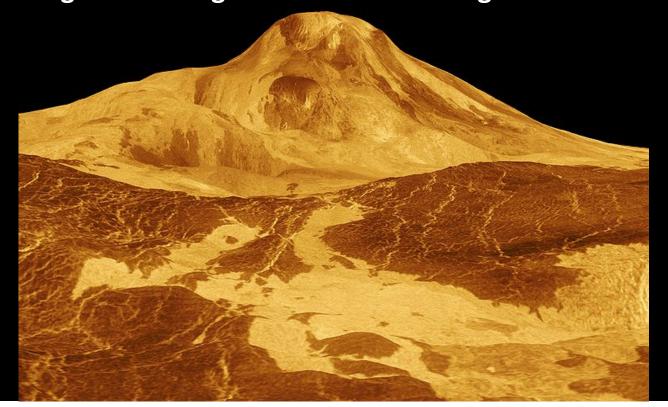




SLIDE 17



Maat Mons, a Mile-high Volcano on Venus. In this False-color image, a yellow Lava Flow is seen in the Foreground. Image is from NASA's Magellan Mission.



SLIDE 18



A size comparison of Venus and Earth. Venus seen by radar looking through its dense sulfuric acid clouds. Venus is hot (800°F) and rains acid rain! Before spacecraft data, Venus and Earth were thought to be



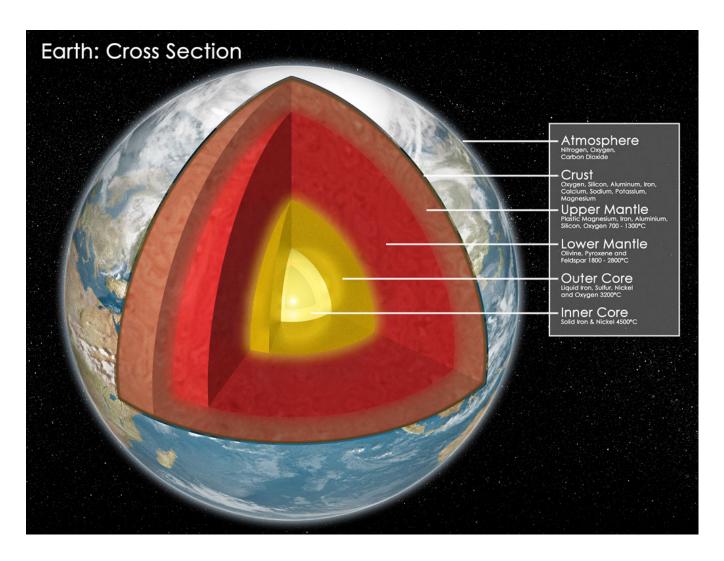
SLIDE 19





SLIDE 20





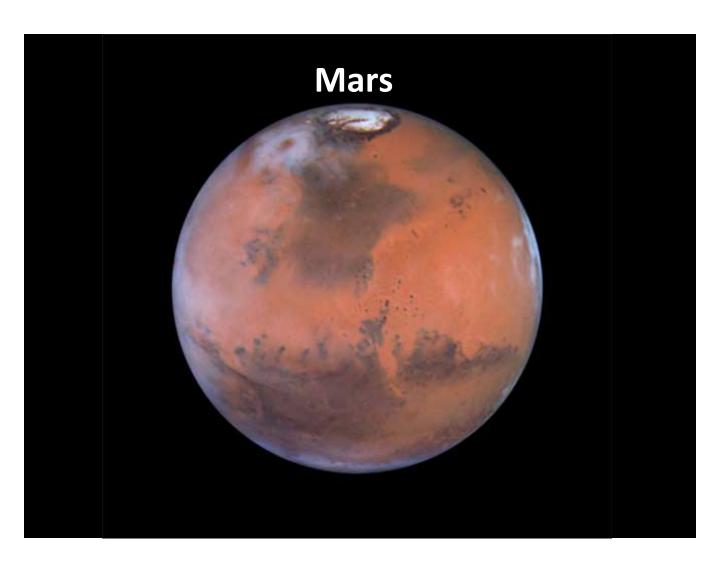
SLIDE 21



A volcanic eruption in the Aleutian Islands of Alaska

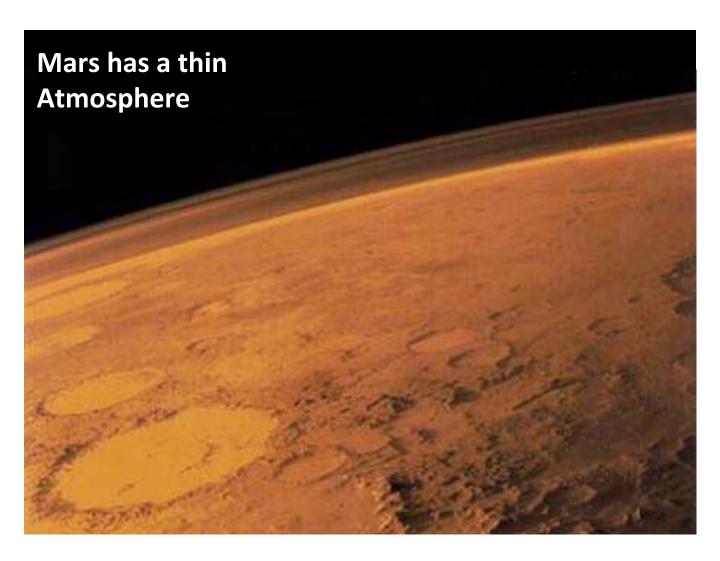
SLIDE 22





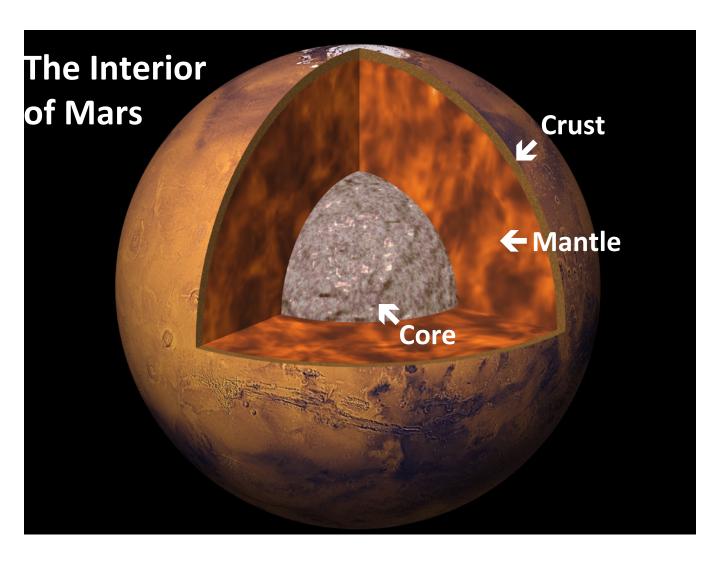
SLIDE 23





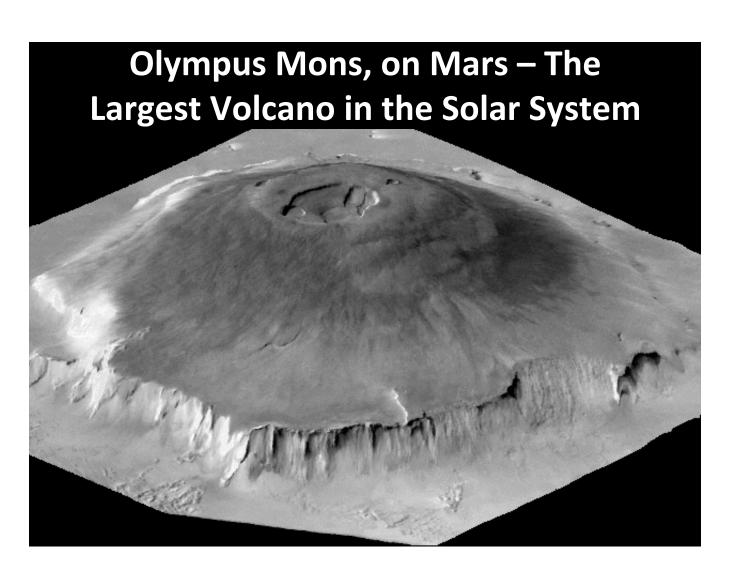
SLIDE 24





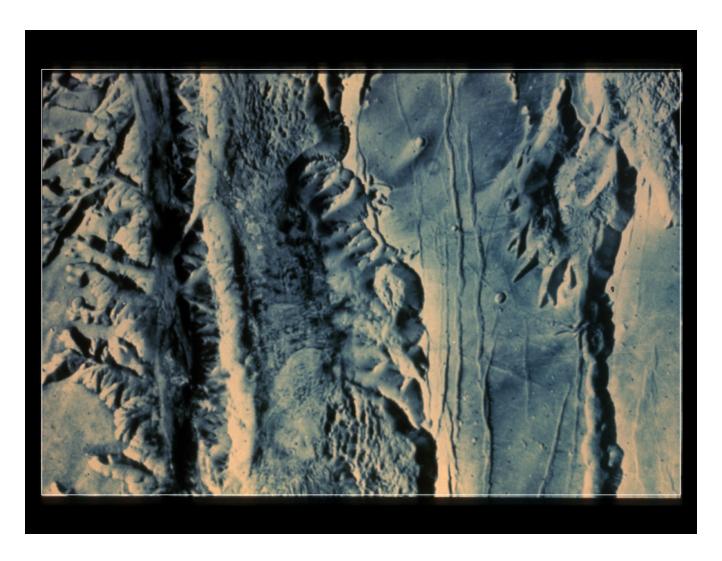
SLIDE 25





SLIDE 26

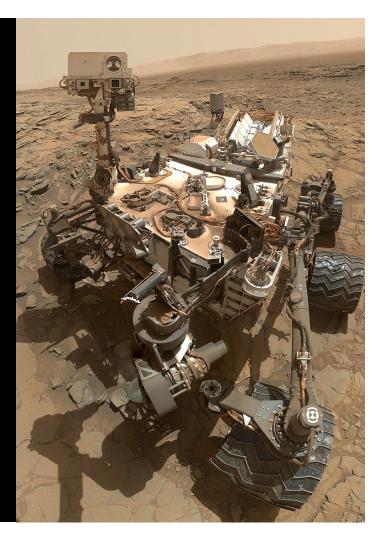




SLIDE 27

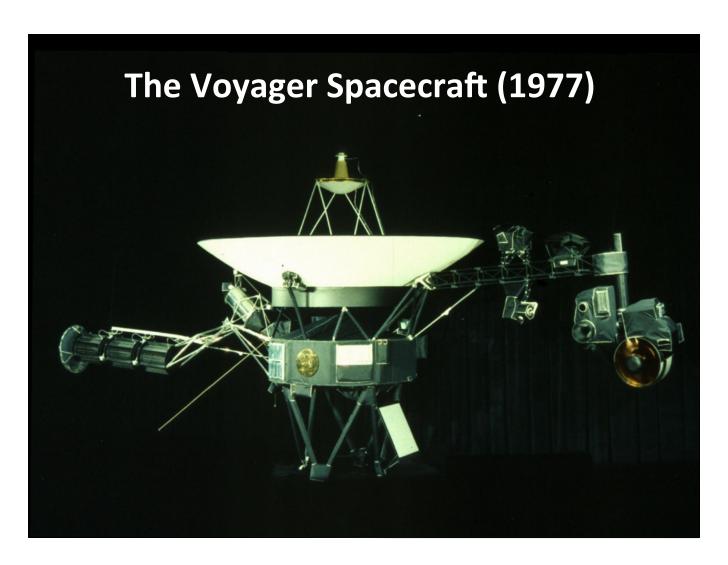


"Curiosity" launched on Nov. 26, 2011, and landed on Aug. 6, 2012. It carries a complete science lab that has analyzed many samples of the Martian "soil" and sub-surface



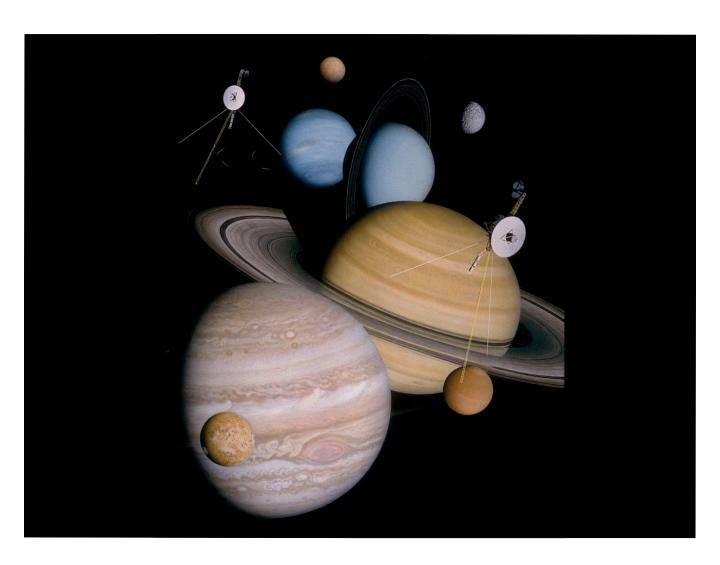
SLIDE 28





SLIDE 29





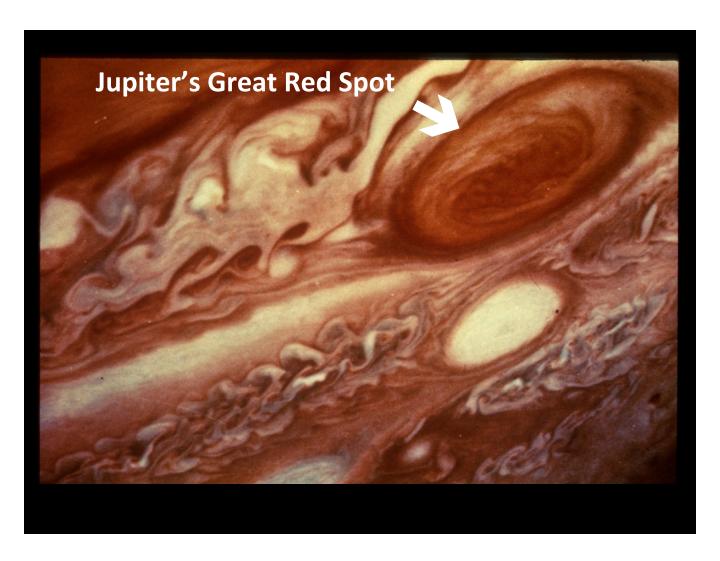
SLIDE 30





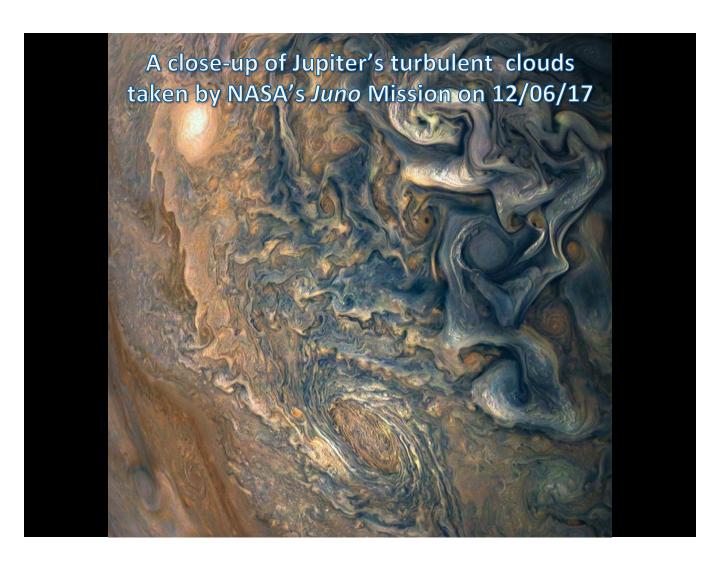
SLIDE 31





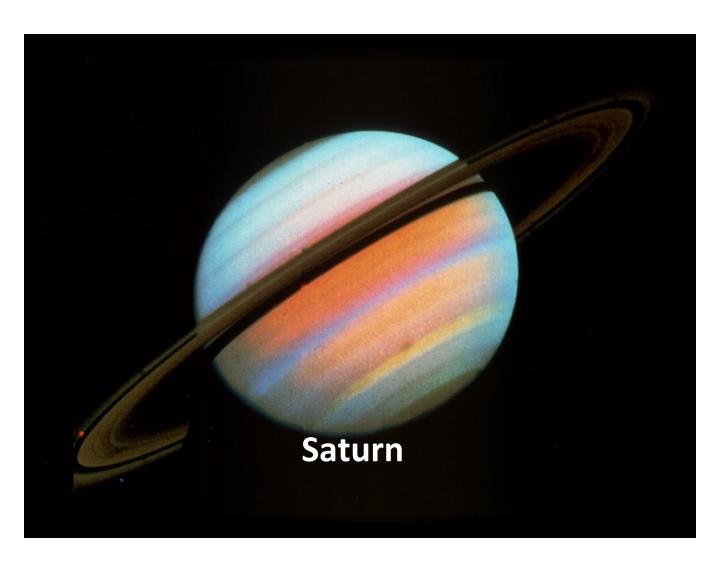
SLIDE 32





SLIDE 33





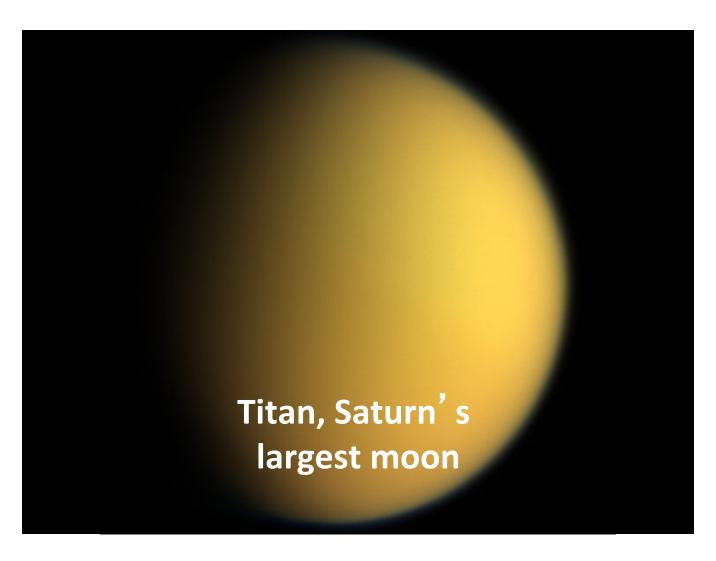
SLIDE 34





SLIDE 35





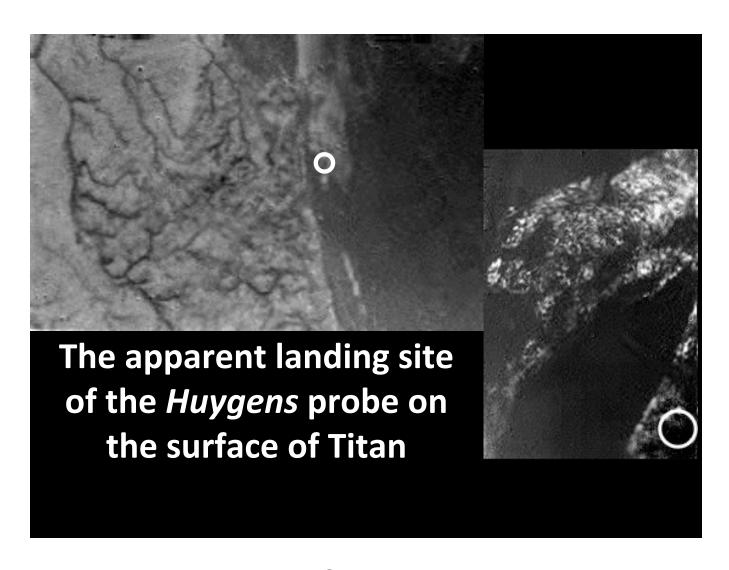
SLIDE 36





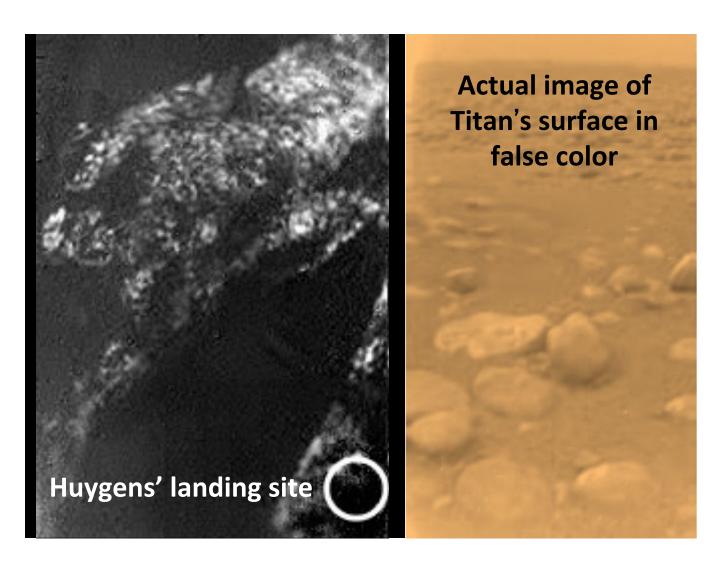
SLIDE 37





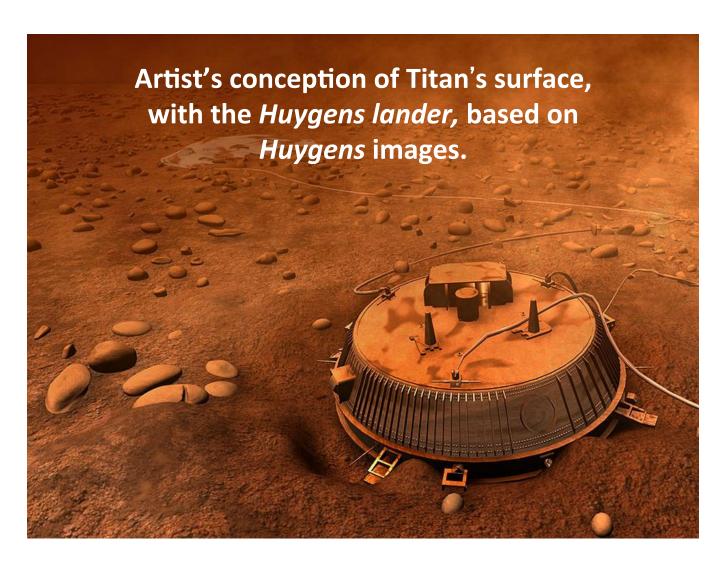
SLIDE 38





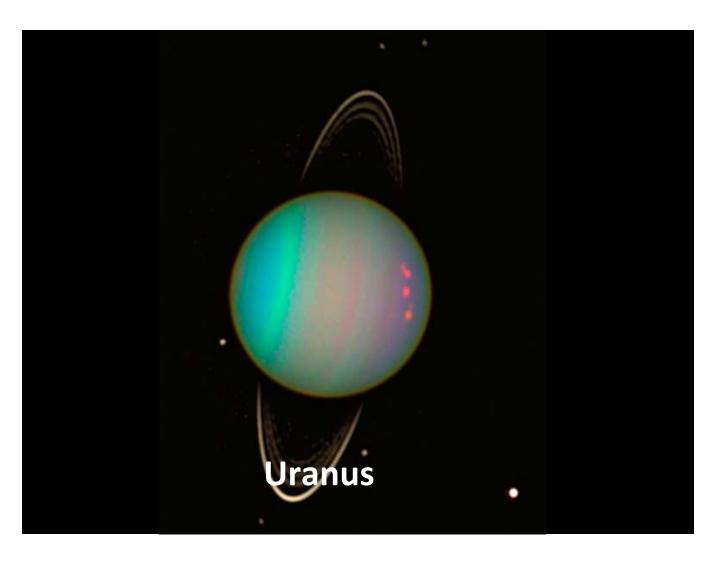
SLIDE 39





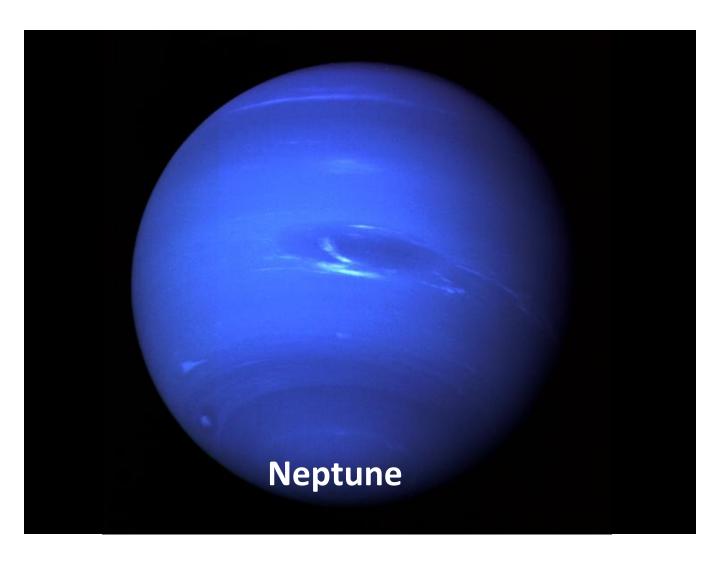
SLIDE 40





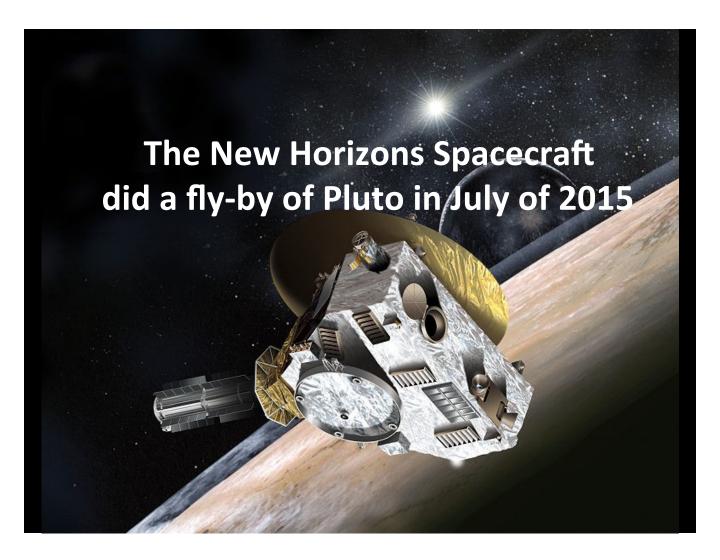
SLIDE 41





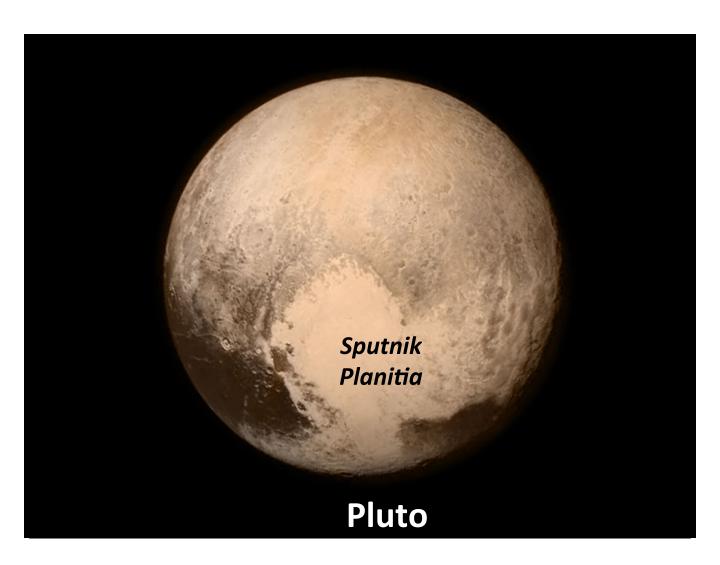
SLIDE 42





SLIDE 43

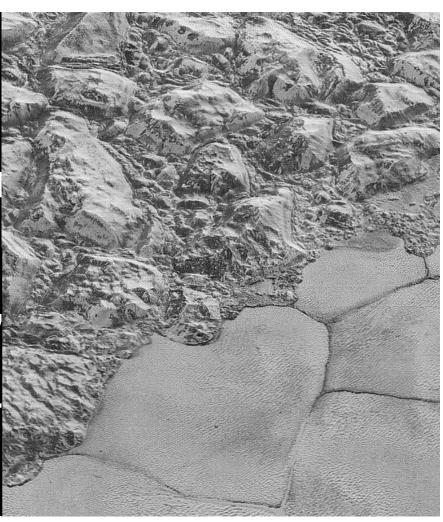




SLIDE 44



The heartshaped
nitrogen ice
feature named
Sputnik
Planitia is
surrounded by
mountains
made of water
ice.



SLIDE 45