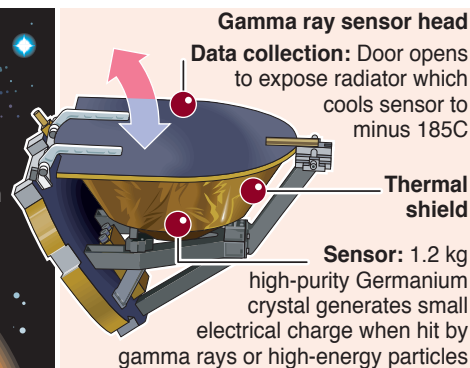
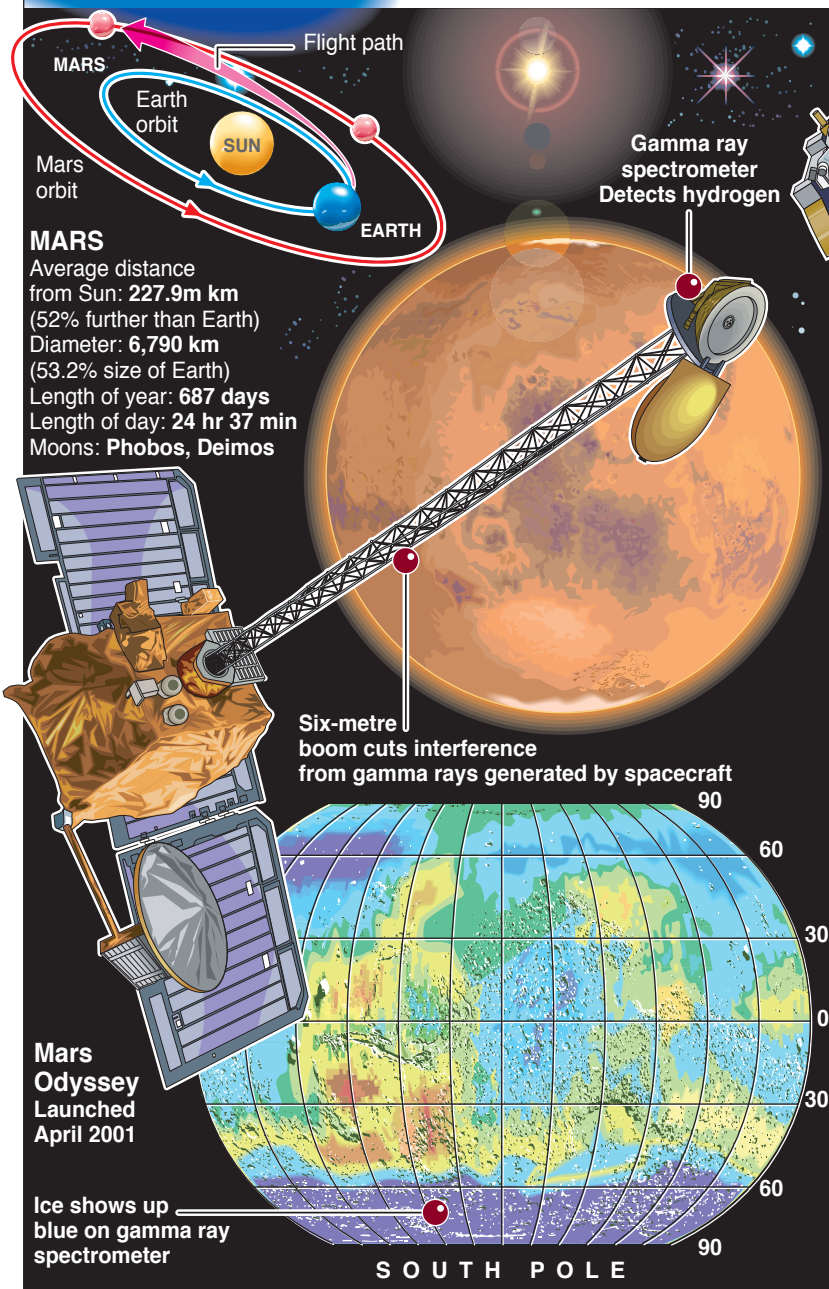


# Ice reservoirs found on Mars

Vast quantities of water ice have been found just below the surface of the Red Planet by NASA's Mars Odyssey spacecraft. The ice crystals – buried 30 to 60 centimeters below the Martian top soil – could simplify a manned mission to the planet, supplying drinking water and fuel for a return

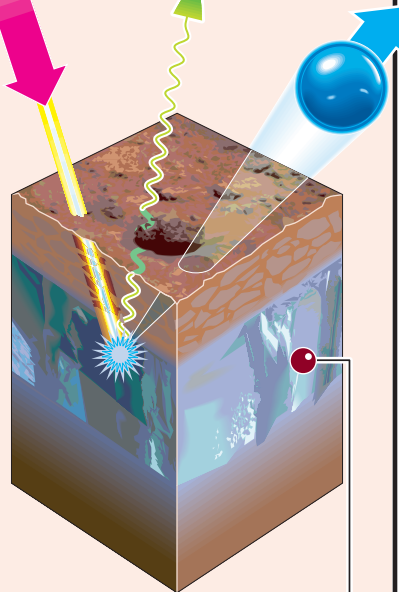


**Detecting water:** Cosmic rays bombard planet, interacting with sub-surface hydrogen to produce neutrons and gamma rays – each with a specific signature

**Cosmic ray**

**Gamma ray**

**Neutron**



**Water:** Could fill Lake Michigan in the U.S. more than twice