Mars 4/11/14

Mars is red because of iron oxide--- aka rust.

Mars has Polar ice caps made from frozen water and dry ice.

\*\*TEST ?\*\* Which planets have polar ice caps? Mars and Earth

Surface Features:

Mars has HUGE surface features

Face on Mars---- picture of a face on the surface of Mars

Tharsis

Percival Lowell – an astronomer who discovered there was water on Mars. --- Canali \*\*TEST\*\*

* Day length most like Earth 24 hrs 37 min
* 1/9 mass of Earth
* axis Tilt……...25.19o
* Has Seasons like Earth Due to ???? Axis Tilt
* 1.5 AUs away from the sun.
* There is no longer an atmosphere on mars because it froze. It is farther away from the sun and the core stopped spinning.
  + Mar’s atmosphere was lost to space, subsurface permafrost, and polar caps
* Largest Mountain volcano in our solar system:
  + Olympus Mons
    - 16 miles high
      * 3.5 times higher than Mt. Everest
* Has 2 moons: Phobos and Deimos
  + We think they are just astroids that got caught in Mar’s orbit.
    - Draw both moons and color – label Stickney crater
      * Phobos is bigger and closer --- reddish brown
        + On Phobos--- Stickney Crater \*\*TEST\*\*
      * Deimos is smaller and farther away --- reddish brown
        + Deimos is smoother and looks like a potato
* Probes that have gone to Mars:
  + Viking
* Mars is the planet that has a meteorite that may have life.