Terrestrial Planets!
(Lots of pretty pictures. No math.)
Mercury

- very thin atmosphere
- really close to the Sun
- really really hot or really really cold
- you can see stars during the day!
Venus

- very THICK atmosphere
- kind of close to the Sun
- really really really hot (all the time)
- really really really high surface pressure
Earth

- nice atmosphere
- somewhat close to the Sun
- sometimes hot, sometimes cold, sometimes in between
- axial tilt causes seasons for 2 reasons...
Moon

- very thin atmosphere
- lots of big craters filled with lava
- lots of little craters
- not much weather
Mars

- very thin atmosphere
- Valles Marineris
- Olympus Mons
- dusty and red
- Martians
Things you might find on planets...

- mountains

Mountains have a lot of “relief.”
Things you might find on planets...

- mountains
- craters
Things you might find on planets...

- mountains
- craters
- water

Dendritic river bed: Which way is water flowing?
Things you might find on planets...

- mountains
- craters
- water

River bed on Mars: Where and which way did water flow?
Things you might find on planets...

- mountains
- craters
- water
- volcanoes

Shield volcano: Runny lava causes gently sloping sides.
Things you might find on planets...

- mountains
- craters
- water
- volcanoes

Composite volcano: Thick lava causes steep sides.
Things you might find on planets...

- mountains
- craters
- water
- volcanoes
- earthquakes

Movement of tectonic plates along fault lines.
Things you might find on planets...

- mountains
- craters
- water
- volcanoes
- earthquakes
- weather: wind, rain (nice atmosphere needed)
Things you might find on planets...

- mountains
- craters
- water
- volcanoes
- earthquakes
- weather: wind, rain
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Erosion
Resurfacing