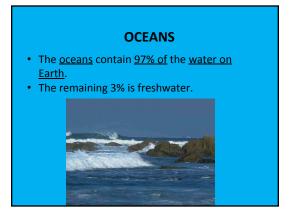
Ocean Basics





Source of Earth's Oceans

- 1. Comets containing ice.
- 2. Volcanoes (volcanism):
 - Water deep within
 Earth's interior is
 brought to the surface.
 - After volcanoes spewed water vapor, the crust cooled and the <u>water</u> vapor condensed to form oceans.



Temperature Layers

- Surface Layer: warm, light, up to 100 m deep
- Thermocline: rapidly decreasing temperature with depth.
- The <u>warm surface layer and</u> <u>thermocline</u> are <u>absent in</u> the <u>polar regions</u>.
- -IT IS ALL COLD!!

