

① h: 12/13 HW

12.3) Good conductors?

- salt water
- copper wire
- aluminum foil
- paper clip (steel)

Good insulators?

- rubber
- styrofoam
- leather

12.4) "Static" electricity can actually move rapidly (as in a spark) and either erase information from solid-state data-storage

② devices or physically damage delicate connections or components in microcircuitry.

12.5)  $+1\text{C} = \text{charge on about } 6.25 \times 10^{18} \text{ protons}$

(Note that the charge on one proton is the reciprocal of this number.)

$$q_p \approx 1.6 \times 10^{-19} \text{ (Coulombs)}$$