

## Review

You take a block of ice to rock canyon park and slide down the hill on it. Analyze your motion from when you sit down on the ice at the top of the hill to when you come to a stop at the bottom. Include all forces, accelerations, and velocities that you experience during your slide. Also explain why you brought the block of ice.















## J. J. Thompson showed that Franklin's "fluid" model was not entirely correct.













## Summary

- The "+" and "-" labels came from Benjamin Franklin.
- Charge comes in discrete chunks or particles. The most common charge carrying particles (by far!) are electrons (e-) and protons (p+).
- e- and p+ charge magnitudes are the same but the p+ mass is 1836 times the e- mass.
  - So which one would accelerate the most when they attract each other?







## Magnets produce a force on another magnet (and can induce magnetism in some materials)

 The direction of the force is a little more complicated than for electrically charged particles, but it still depends on distance between the magnets











