

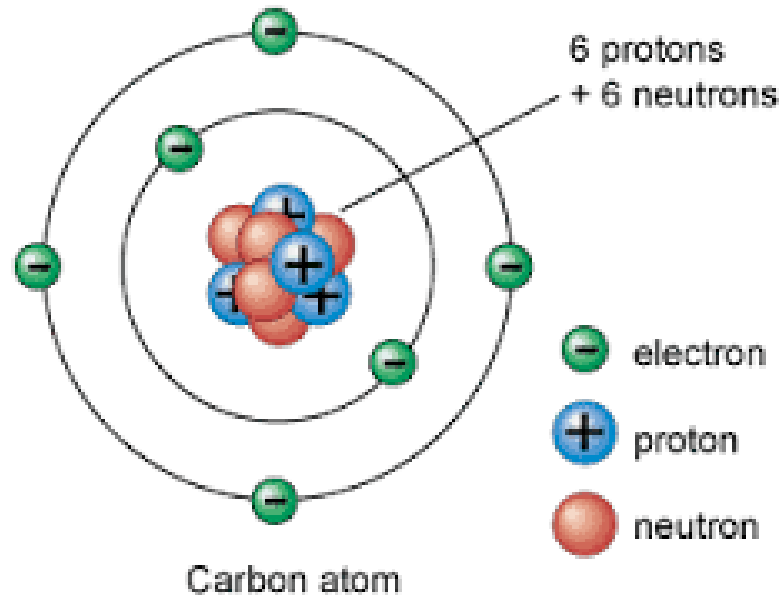


Electric Force

A Flipped Lesson by Ms. Logan



What's in an atom?



Types of Charges

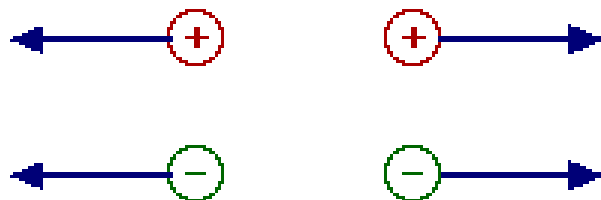
particle	symbol	charge	mass
proton	p	+1	✓
neutron	n	0	✓
electron	e	-1	✗

Attractive Forces

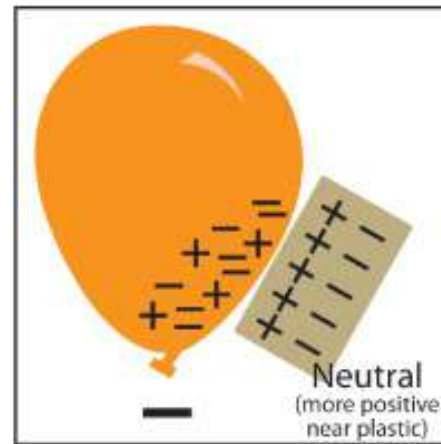
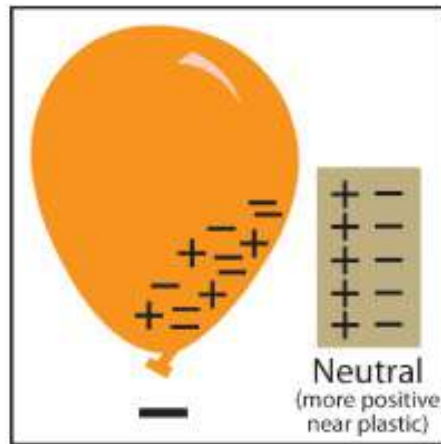
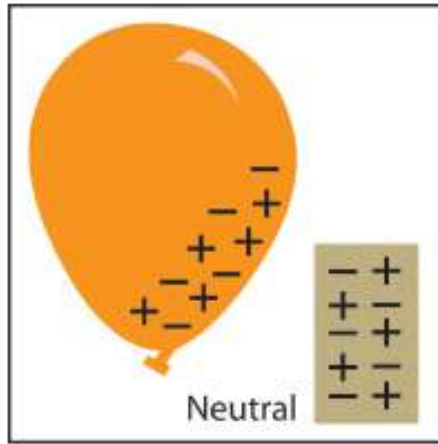
Opposite charges attract.



Like charges repel.

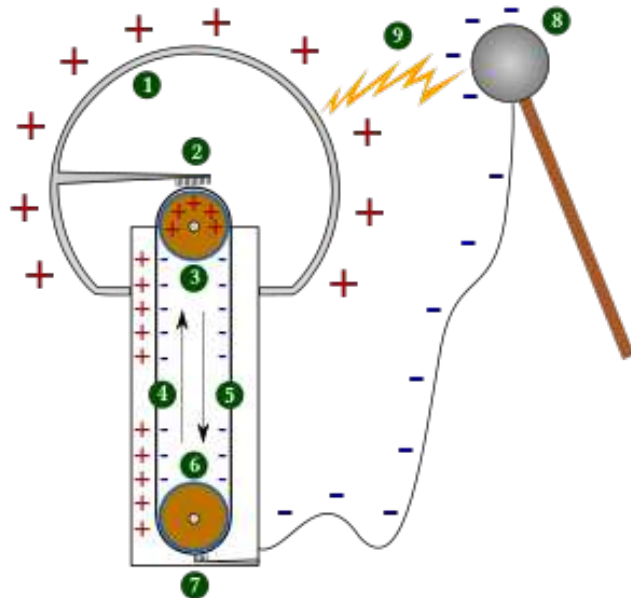


Attractive Forces



Van De Graaff

Van de Graaff Generator



- 1. hollow metal sphere
- 2. upper electrode
- 3. upper roller (for example an acrylic glass)
- 4. side of the belt with positive charges
- 5. opposite side of belt, with negative charges

- 6. lower roller (metal)
- 7. lower electrode (ground)
- 8. spherical device with negative charges
- 9. spark produced by the difference of potentials