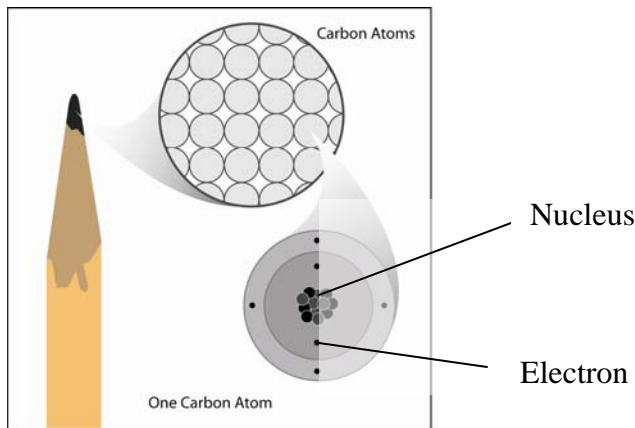


Chapter 4, Lesson 1 Activity Sheet Answers

1.



2.

Proton	no charge
Electron	positive charge
Neutron	negative charge

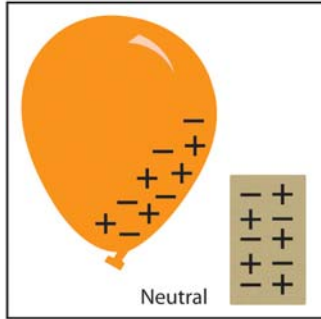
3.

Two protons repel
 Two electrons repel
 A proton and an electron attract

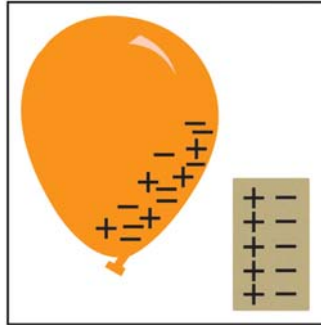
4.

What happened when you brought the following materials near each other?		
<i>Materials</i>	<i>Attract or Repel</i>	<i>Explain</i>
Charged plastic + charged skin	Attract	Plastic is negative and skin is positive so opposites now attract
Charged plastic + neutral desk	Attract	Plastic is negative and desk is neutral but more positive near the plastic so opposites now attract
Charged plastic + charged plastic	Repel	Both pieces of plastic have excess electrons and are negatively charged; like charges repel

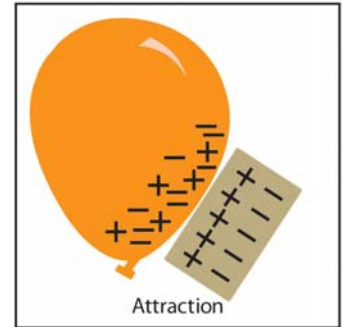
5.



Initially, the paper and balloon are both neutral and not attracted to one another.



After rubbing the balloon against your hair, excess electrons are added to it. When it is brought near the paper, the excess electrons on the balloon repel electrons in the paper towel, leaving an excess of protons (positive charge) near the balloon.



The excess electrons on the balloon are now attracted to the area of positive charge in the paper.