Science Unit 10 Lesson 1-2 Study Guide Wednesday, 12/13

What is the charge of a particle that is attracted to a proton, if the proton has a positive charge?

Negative

If a person has a negative charge after walking across carpet on a cold day and touches a doorknob what would the charge be when the person touches the doorknob?

Positive

During a storm, if a flash of lightning hits a tree and leaves a burn mark on the tree. What has happened to the tree?

Atoms usually have a neutral charge but can build up positive or negative charge.

If you rub a plastic object on a piece of fur, causing static electricity to form on both objects. If the object has a positive charge what happens to the plastic object?

It lost protons

If you rub a balloon on your hair on dry day. Your hair is attracted to the balloon. When you bring the balloon near another balloon that has not been rubbed. What happens to the two balloons?

They attract one another

If you have two balloons on a desk but not touching and you rub one with a wool cloth and nothing to the other, what happens?

They touch one another and stick together.

If you are combing your hair, what will most likely happen when you comb your hair near a small, uncharged object? The object will be pushed away by the comb.