

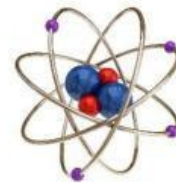
Science Worksheet for Grade 9

Static Electricity

attract	static electricity	subatomic particles	positively	atom		
protons	negatively	removed	electron	neutron	hair	positive
ion	added	opposite charges	repel	static electricity	negative	

Choose the right word from above to complete the sentences!

- _____ is the build-up of an electric charge in a certain location (stays in one place).
- Electric charges are the property of _____ that cause them to experience a force when placed in an electric and magnetic field.
- An _____ is the smallest unit of matter.
- An electron is a _____ charged subatomic particle.
- Proton is a _____ charged subatomic particle.
- _____ is an uncharged (neutral) subatomic particle.



- Protons _____ or move away from other _____. Electrons _____ or move away from other electrons. What happens between a proton and an electron?
They _____, or move toward each other.

- If electrons are _____, the atom becomes positively charged.
- If electrons are _____, the atom becomes negatively charged.
- An atom that is charged is called an _____.

- Based on the experiment, what happens with balloons and hair?

There is _____ between the hair and the balloon. The hair is attracted to the balloon because they have _____.



- Rubbing the balloon gives it an electric charge (a small amount of electricity). Electrons jump from _____ to the balloon. This gives the balloon a _____ electric charge. Our hair loses _____. This gives our hair a _____ electric charge.

Good luck 😊