

NAME:

DATE:

Period:

Electrostatics Questions for Miscellaneous Reviewing

1. What is the charge of a single electron?
2. What is the charge of a single proton?
3. How many electrons are in an object with a charge of 3.2C ?
4. How many electrons are in an object with $6.9 \times 10^{-8}\text{C}$?
5. A big balloon that was rubbed on a student's head has 4.7×10^9 electrons. What is the charge of the balloon?
6. Two point charges exist 4mm apart. The left charge is 3nC , the right charge is 2.5nC . What is the force on the two charges? What is the direction of the force? Draw this.
7. What is the electric field strength of a 5nC charge that is producing a force of 12mN ?
8. An electron is situated 1nm away from a proton. What is the force on these two objects? What direction is the force?
9. Why can negative charges move from object to object?

