Dani

Revitw:

Electrostatics: study of electric charges that can be held in one place and also the study of static electricity

Neutral: positive and negative charges balance

Insulator: charge does not move easily

conductor: charge moves easily.

coulomb's law: magnitude of force between charges divided by distace.

$$F = \frac{q_A q_B}{r^2} \qquad F = K \frac{q_1 q_2}{r^2}$$

(1) How does the charge of an electron differ from the charge of a proton? How are they similar?

(2) using a charged rod and an electioscope, how can you find whether an object is a conductor?

(3) why do socks taken from a clothes dryer sometimes cling to other clothes?

(4) what is the force in the -20mC charges that are placed 15cm apart? direction?