Electrostatics

Down

1. Surface that charges like to reside
3. Type of charges that repel
4. Since charge cannot be created or destroyed, it must be <?>
5. What happens to charges in a neutral object when a charged object is brought near (2 words)
7. Force of a negative object on a negative object
8. Material that conducts charge easily
9. Particle in the atom with no charge
12. The force that tries to make the electrons and protons in an atom fly apart
13. The variables that goes up that makes the electrical force go up
15. Charge on matter most of the time
16. Shape that tends to collect electrons
17. Force of a positive object on a negative object
21. Metric unit of charge
23. A connection that removes charges on an object
27. Top part of the electroscope
28. Charges that are not moving or "at rest"
30. Place on a charged hollow sphere with no electrical force
32. When the distance is cut in half, the electrical force is increased by <?>
34. An object that has 5 electrons and 5 protons on it

Across

2. Particle in the atom with a negative charge
6. What happens when a charged object is attached to a large object such as the earth
10. The type of law that is Coulomb's Law (2 words)
11. Material that does not conduct charge
12. Instrument used to measure charge
14. When the charges on both objects is doubled, the electrical force is <?>
18. Charging without touching
19. Charge on a proton or electron
20. Part of electroscope that moves to indicate the presence of charge
22. Charge produced by charging with a positive object using conduction
22. Charge produced by charging with a negative object using induction
24. What the proton has that causes the electron to be the charge carrier (2 words)
25. Charging with touching
26. Particle in atom with a positive charge
29. What needs to happen to charge a plastic strip using a cloth
31. The variable that goes up that makes the electrical force go down
33. The force that keeps the proton in the nucleus
35. Type of charges that attract