

1. On a dry day, why can a rubbed balloon stick to a wall?

2. A rubbed balloon will _____ your hair, but two rubbed balloons will _____ each other.

3. Ben Franklin was the first to name the two different charges : _____

4. How does electrostatic spray painting work?

5. When you rub a balloon across your hair, how do the balloon and your hair become electrically charged?

6. What is the unit (symbol) of charge? _____

7. The electron has a charge of _____ and the proton has an equal and opposite charge of _____

8. Define conductors and give an example

9. Define insulators and give an example

10. Define semiconductors

11. What does it mean when a conductor is grounded?

Why is this idea important for installing lightning rods?

12. Define induction

13. Explain polarization
