

Cloze Activity

Charge it

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1. static charge
2. atoms
3. nucleus, protons, neutrons
4. electrons
5. neutral
6. positive
7. negative
8. insulators, conductors
9. coulomb
10. Van de Graaff generator
11. grounding

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Applying Knowledge

Static charge detective

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1. Charge on socks: positive
Charge on skirt: negative
2. Charge on comb: negative
Charge on hair: positive
3. Charge on window: positive
Charge on paper towel: negative
4. Charge on balloon: negative
Charge on cat's fur: positive

Comprehension

Conductors and insulators

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1. (a) material that allows electrons to move freely
(b) material that does not allow electrons to move freely
2. (a) insulator; does not allow electrons to move freely
(b) insulator; does not allow electrons to move freely
(c) conductor; allows electrons to move freely
(d) conductor; allows electrons to move freely
(e) conductor; allows electrons to move freely
(f) insulator; does not allow electrons to move freely

Assessment

Static charge

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1. C 2. B 3. A 4. B 5. C 6. A 7. A 8. B, C 9. B 10. A
11. C 12. D 13. C 14. C