SMPIENCI 121 SCIECTER DIS:

SEB Coulons 's Law Equation as a Guide to Ininking

The electrical force between two objects depends on the objects. charge on; distance between and the

- mass of, distance between
- mass of; size of
- d. charge on; size of
- e. mass of; charge on

Coulomb's Law Equation as a Guide to Thinking

Which of the following would cause the electrical force between two objects between letters. to decrease? List all that apply in alphabetical order without any spaces

- increase the charge on one object
- c. increase the mass of one object b. increase the charge on both objects
- d. increase the mass of both objects
- e. increase the distance between the objects' centers
- f. decrease the distance between the objects' centers

Coulomb's Law Equation as a Guide to Thinking

force between them to be ____ the initial force. Tripling the distance between two charged objects will cause the electrical

- a. the same as
- b. one-third
- d. one-ninth

c. one-sixth

- c. three times
- f. six times

g. nune tunes

Coulomb's Law Equation as a Guide to Thinking

charged objects will cause the electrical force between them to be _____ the Halving the distance (i.e., decreasing by a factor of two) between two mittal force.

- a. the same as
- c. one-half b. twice
- d. three times
- e. one-third . four times
- g. one-fourth
- S

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SEB Coulomb's Law Equation as a Guide to Thinking

Coulombs Law

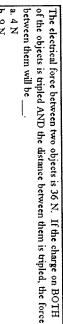
the objects is doubled AND the distance between them is doubled, the force The electrical force between two objects is 36 N. If the charge on one of between them will be ____.

- 2. 4 N
- c. 12 N
- b. 9 N
- f. 72 N

e. 36 N d. 18 N

- k. 108 N h. 144 N
- i. 324 N
- none of these are correct

Coulomb's Law Equation as a Guide to Thinking



- b. 9 N
- c. 16 N
- d. 18 N
- e. 36 N f. 72 N
- g. 108 N
- h. 144 N
- L 324 N none of these are correct

SES Coulomb's Law Calculations

The charge on X is 7.95000 x 10^-6 C and the charge on Y is 8.15000 x Two objects (X and Y) are placed a particular distance from each other. (in meters) between the two objects? Enter a numerical answer. 10^-6 C. If the force between the objects is 0.250 N, what is the distance

Coulomb's Law Calculations

The charge on X is 5.99000 x 10^-6 C and the charge on Y is 6.80000 x the two objects? Enter a numerical answer. Two objects (X and Y) are placed a distance of 0.600 m from each other. 10^-6 C. What is the value of the electrical force (in Newtons) between