

CHAPTER 7**Obeying the Laws of Static Charge****BLM 3-5**

Goal • Review your understanding of the laws of static charge.

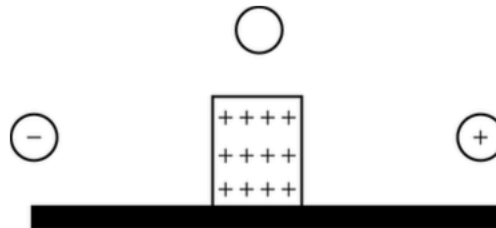
What to Do

Complete the following sentences using the following terms. Each term may be used more than once.

attracts, repels, positive, neutral, negative

1. A negative charged is repelled by a _____ charge.
2. A positive charge _____ a negative charge.
3. A charged object _____ a neutral object.
4. A negative object attracts an unknown object. The unknown object could be _____ or _____.
5. A positive object _____ a positive object.

Use the diagram below to answer question 6.



6. A positively charged object is attached to a table as shown. Use an arrow to indicate the direction of the force on the negative (-), positive (+), and neutral (no sign) charges placed near the object on the table.
7. Use the words "increased" or "decreased" to complete each of the following statements.
 - (a) To increase the electric force between two charged objects, the distance separating the two charges should be _____.
 - (b) To increase the electric force between two charged objects, the amount of charge on one or both objects should be _____.
 - (c) To decrease the electric force between two charged objects, the distance separating the two charges should be _____.
 - (d) To decrease the electric force between two charged objects, the amount of charge on one or both objects should be _____.