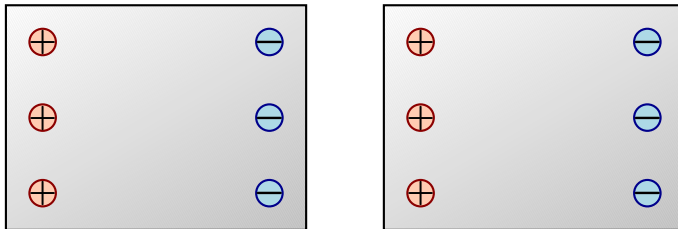


Question 1

Two blocks contain positive and negative charges. They are initially distributed as illustrated.



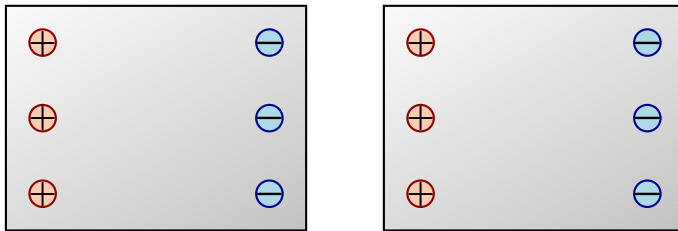
Which of the following is true?

1. The blocks do not exert any electric force on each other.
2. The blocks attract each other.
3. The blocks repel each other.

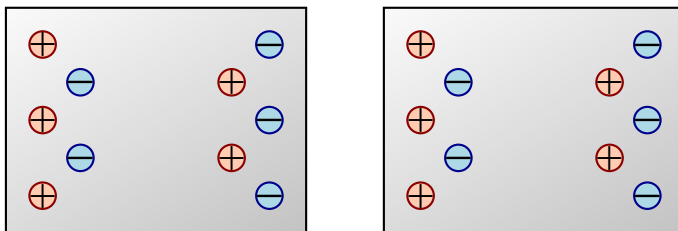
Question 2

Blocks contain positive and negative charges.
They are initially distributed as illustrated.

Case A



Case B



Which of the following is true?

1. The force in case A is the same as in case B.
2. The force in case A is larger than in case B.
3. The force in case A is smaller than in case B.

Question 3

A piece of copper is positively charged.

Which of the following is true?

1. The copper has fewer protons than electrons.
2. The copper has the same number of protons as electrons.
3. The copper has more protons than electrons.