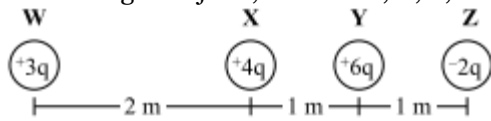


MCAS OPEN RESPONSE #10: Electromagnetism

Standard: 5.4 - Describe conceptually the attractive or repulsive forces between objects relative to their charges and the distance between them (Coulomb's law).

Four charged objects, labeled W, X, Y, and Z, are arranged in a straight line, as shown below.



- Identify the two objects that have the **greatest** magnitude of electric force between them.
- Identify the two objects that have the **greatest** attractive force between them. Explain why these two charges have an attractive force.
- Identify the two objects that have the **smallest** magnitude of electric force between them. Explain your answer.

