Comparing Attraction in Two Ionic Contacts

Scoring guide · one credit per question · review written work against each rubric

Comparing Attraction in Two Ionic Contacts

Question 1

Choice (1)

J and K have the same +2 and −2 charges. Their separations are 3 and 4.

Question 2

J has the stronger attraction in the model. The charge magnitudes match, so its smaller separation gives the stronger attraction.

Question 3

The given comparison holds when the charges match. K has larger charge magnitudes as well as a greater separation. The distance rule alone does not account for both differences.

Question 4

Both charges are then positive, so the particles repel rather than attract.