Following an Empty Site in a Model Crystal

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

Following an Empty Site in a Model Crystal

Question 1

Choice (1)

Position 3 becomes empty while position 4 becomes occupied by a positive ion.

Question 2

The positive ion at position 2 moves right into position 3. This leaves position 2 empty.

Question 3

The positive ions move right. The empty position appears one site farther left each time because the ion entering it leaves an empty position behind.

Question 4

In the full row, no ion can move right under the rule. In the other row, an empty site lets positive ions move right and carry charge even while the overall structure stays solid.