# Tracing Conducting Paths Across Two Tiles

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

### Tracing Conducting Paths Across Two Tiles

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### Question 1

Choice (1)

P has a connected row of M squares from left to right. Q has vertical strips that do not connect those edges.

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### Question 2

In P, all five M squares in row B or row D connect the left and right edges. In Q, all five M squares in column 2 or column 4 connect the top and bottom edges.

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### Question 3

Column 2 is interrupted at C2, but column 4 still connects the top and bottom with five edge-sharing M squares.

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### Question 4

For example, change A3, C3, and E3 so column 3 conducts from top to bottom. A path needs at least one new M in each of the three fully insulating rows A, C, and E.