

- 36 When describing tunnelling in a scanning tunnelling microscope, the terms *transmission coefficient* and *reflection coefficient* are used.

When a graph is plotted of reflection coefficient on the y -axis against transmission coefficient, a straight line that does not pass through the origin is obtained.

Which values of gradient and y intercept are shown on the graph?

	gradient	y intercept
A	-1	-1
B	-1	1
C	1	-1
D	1	1