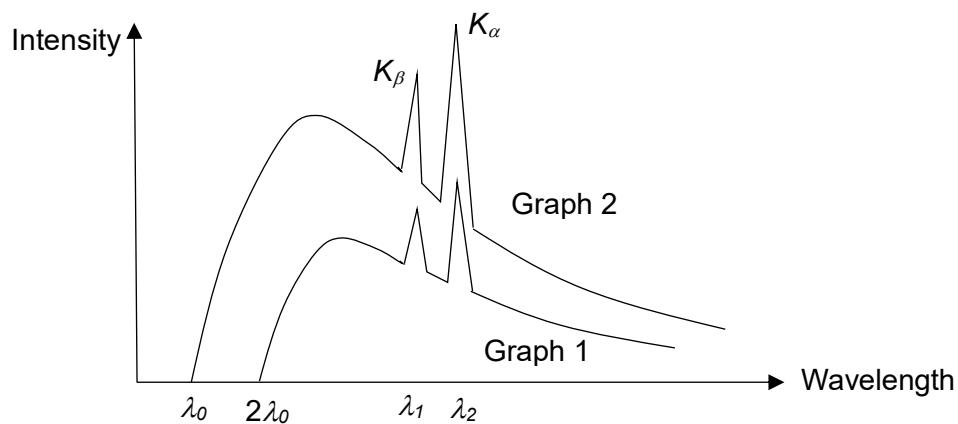


- 28 An X-ray spectrum is shown below.

Graph 1 shows the original spectrum obtained.

Graph 2 shows the new spectrum obtained after a change has been made to the accelerating voltage.

In both graphs, the two peaks correspond to the characteristic lines  $K_\alpha$  and  $K_\beta$ .



Which of the following is correct?

	Ratio of accelerating voltage associated with Graph 2 to accelerating voltage associated with Graph 1	Target metal used to obtain both graphs
A	$\frac{1}{2}$	Different
B	2	Different
C	$\frac{1}{2}$	Same
D	2	Same

