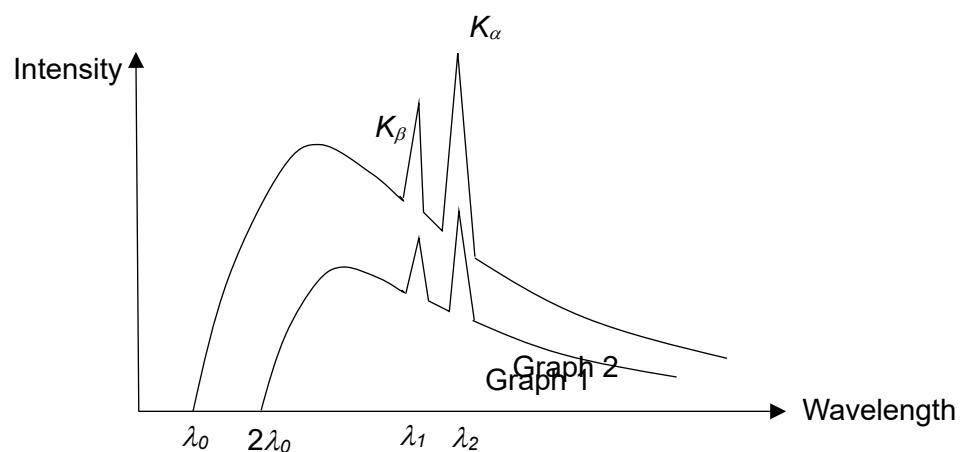


- 30 An X-ray spectrum is shown below.

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_α and K_β .



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	1/2	Different
B	2	Different
C	1/2	Same
D	2	Same