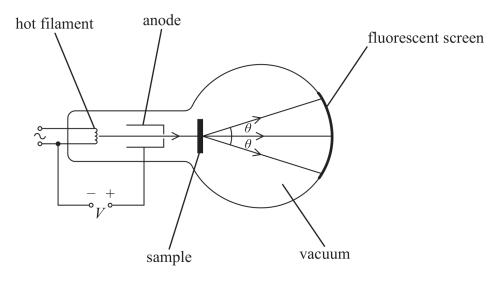
5 The diagram represents an arrangement to demonstrate electron diffraction.



A beam of electrons is directed at a sample of crystalline material.

Which of the following single changes would decrease the angle of diffraction θ ?

- A decrease the distance between the sample and the screen
- \square **B** increase the anode potential V
- C increase the current in the filament
- **D** use a sample with a smaller atomic spacing