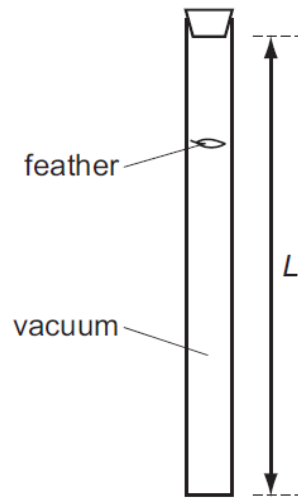


- 4 The diagram shows a laboratory experiment in which a feather falls from rest in a long evacuated vertical tube of length  $L$ .



The feather takes time  $T$  to fall from the top to the bottom of the tube.

How long will the feather take to fall  $0.50 L$  from the top of the tube?

- A**  $0.25 T$       **B**  $0.29 T$       **C**  $0.71 T$       **D**  $0.75 T$