

**6** A body, initially at rest, is timed as it falls from the top to the bottom of a long evacuated vertical tube. A reading of 1.2 s is obtained.

What would this reading become if the experiment were repeated on the Moon, where the acceleration due to gravity has a magnitude 0.17 of that at the Earth's surface?

**A** 2.2 s

**B** 2.9 s

**C** 7.1 s

**D** 8.5 s