

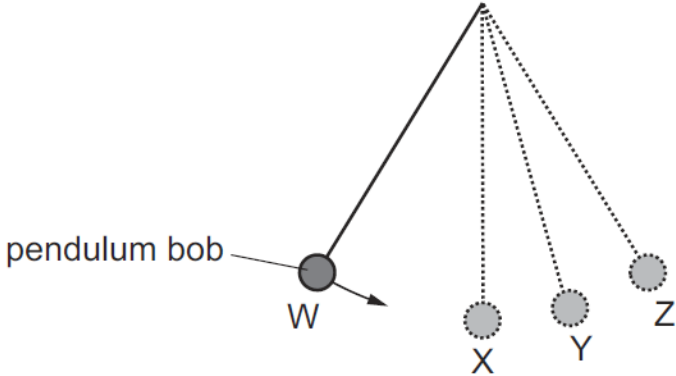
TIME PERIOD OF A SIMPLE PENDULUM-SET-1

1	<p>A pendulum is swinging. Five students each measure the time it takes to swing through ten complete swings.</p> <p>Three students measure the time as 17.2s. Another student measures it as 16.9s, and the fifth student measures it as 17.0s.</p> <p>What is the average period of the pendulum?</p> <p>A 1.69s B 1.70s C 1.71s D 1.72s</p>
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MS-1	C
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2	<p>A pendulum is set in motion and 20 complete swings are timed. The time measured is 30 s.</p> <p>What is the time for one complete swing of the pendulum?</p> <p>A 0.67s B 0.75s C 1.5s D 3.0s</p>
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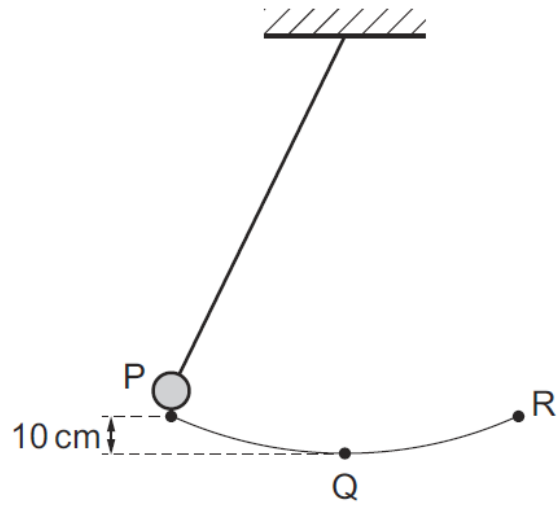
MS-2	C
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3	<p>A pendulum bob swings along the path WXYZ and back again.</p> <p>Resistive forces can be ignored.</p>  <p>Which statement describes the total energy of the bob?</p> <p>A It has a maximum value at X. B It has a maximum value at Y. C It has a maximum value at Z. D It has the same value at W, X, Y and Z.</p>
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MS-3	D
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4

The diagram shows a pendulum.



The pendulum swings from P to Q to R and back to P.

P is 10 cm higher than Q.

At which speed does the pendulum bob pass through Q?

A 0.44 m/s

B 1.0 m/s

C 1.4 m/s

D 2.0 m/s

MS-4

C