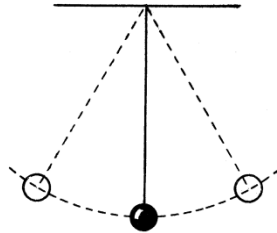


Year 7

1. Fill in the blanks

- a.) A pendulum is a heavy \_\_\_\_\_ tied to a piece of \_\_\_\_\_ which can \_\_\_\_\_ forwards and backwards.
- b.) One complete swing is when the \_\_\_\_\_.
- c.) The long pendulum makes 10 swings to in \_\_\_\_\_ second.
- d.) The short pendulum makes 10 swings to in \_\_\_\_\_ second.



2. Complete the table

	Length in cm	Frequency, complete swings per minute			Total	Average = $\frac{\text{Total}}{3}$
		1 <sup>st</sup> time	2 <sup>nd</sup> time	3 <sup>rd</sup> time		
Long pendulum						
Short pendulum						

3. Answer the questions in complete sentences.

i.) What is the average swing per minute for the long pendulum?

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ii.) What is the average swing per minute for the short pendulum?

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4. Conclusion: (Put a line across the wrong word)

In this activity we discovered that the

- Longer the pendulum the faster/slower itswings.
- Short pendulums have high/low frequencies. Long pendulums have high /low frequencies.

