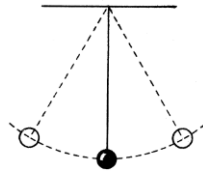


1. Fill in the blanks

- a.) A pendulum is a heavy **object** tied to a piece of **string** which can **move** forwards and backwards.
 b.) One complete swing is when the **object (stone) moves forward then backwards.**

Students need to carry out the experiment and answer on their own.
(Answers may vary.)

- 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 st time	2 nd time	3 rd time		
Long pendulum						
Short pendulum						

3. Answer the questions in complete sentences.

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

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

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

In this activity we discovered that the

- Longer the pendulum the ~~faster~~/~~slower~~ it swings.
- Short pendulums have ~~high~~/~~low~~ frequencies. Long pendulums have ~~high~~/~~low~~ frequencies.

