Name:	Date:	
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Swinging Pendulum Activity – Swinging Pendulum Worksheet

Data

- 1. Measure the mass of your weight.
- 2. Measure the distance from the ceiling to your weight.
- 3. Place two pieces of tape on the wall/other surface that are 50 cm apart with your weight in the middle.
- 4. Measure the height from the floor to the bottom of the weight when it is at equilibrium and again when the bottom is at one of the pieces of tape.
- 5. Record the time it takes for the weight to swing to the piece of tape on the other side $(t_{\rm I})$.
- 6. Record the time it takes for the weight to swing to the other side and back again (t_2) .
- 7. Perform three trials of this experiment.

Mass of Weight (kg)	Ceiling to Weight (m)	Floor to Weight At Equilibrium (m)	Floor to Weight At Tape (m)	t ₁ (s)	t ₂ (s)
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