# Foucault Pendulum Pre-Activity Survey Answers

1. **What is a pendulum?**

 **A weight suspended from a pivot that can swing freely.**

1. **What causes the bob on a simple pendulum to oscillate when moved from its resting position?**

 **❑ string length ❑ bob weight 🗹 gravity ❑ air currents ❑ nothing**

1. **If you sit on a Ferris wheel without buckling your seat belt, what happens to you as the wheel rotates?**

**Your body is projected far away from the wheel.**