**Electric Motors Pre-Quiz Answer Key**

1. **What is an electric motor?**

**An electric motor is device that converts electricity into motion.**

1. **Name two applications (things) you use every day that use electric motors.**

**Car windows go up and down using motors.**

**Microwave bases rotates using electric motors.**

**Automatic pencil sharpeners use motors.**

1. **How does the speedometer in your car work?**

**A speedometer is a gauge that measures and displays the real-time speed of a vehicle. To do this, a sensor near the wheel measures how many times the wheel rotates per minute (rpm = revolutions per minute). Then the rotations of the wheel per minute is converted to miles per hour (or kilometers per hour) and displayed on the car’s speedometer dial.**