

Name: _____ Date: _____ Class: _____

Electric Motors Pre-Quiz **Answer Key**

1. What is an electric motor?

An electric motor is device that converts electricity into motion.

2. 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.

3. 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.