Name:_____

Date Started:_____Date Completed:_____Score:_____

Learning Activity Sheet
Direct Current Motor

I. Choose the letter of the correct answer and write it in the blank provided before each number.

_____**1.** In which direction do magnetic field lines conventionally drawn?

A. north to south
B. south to north
C. either way
D. depends on you

_____**2.** Which of the following transforms electrical energy to mechanical energy?

A. galvanometer
B. generator
C. motor
D. transformer

_____**3.** What force exists when the south poles of two bar magnets are moved near each other?

A. a force of attraction
B. a force of repulsion
C. an upward force
D. no force

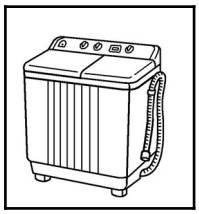
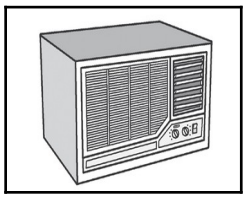
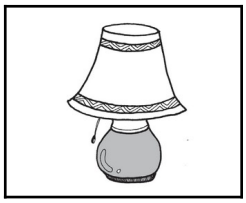
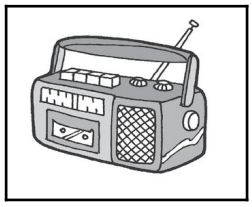
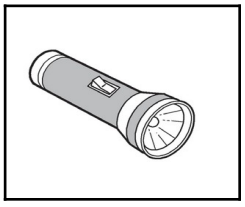
_____**4.** What will happen to the net current in the motor windings as a motor armature turns faster and faster?

A. increases
B. decreases
C. remains unchanged
D. becomes stable

_____**5.** Applying the basic law of magnetism in a simple electric motor will result in the rotation of the coil and the transformation of energy. Which of the following energy will the electrical energy be transformed into?

A. electrical
B. kinetic
C. mechanical
D. nuclear

II. Look at the pictures and their description below. Identify the energies involved in each conversion.

Example of Devices	Form of Input Energy	Form of Useful Output Energy
 Washing machine		
 Air conditioner		
 Lamp		
 Radio		
 Flashlight		