

Student Name: _____

Date: _____

Instructions:

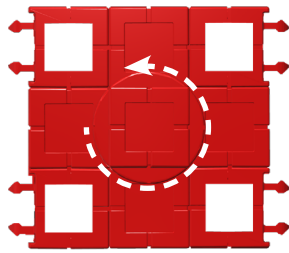
Read carefully through each question and select the correct answer in the spaces provided.

Assessment Score

Total Score: _____ / 8 points

Question 1

Multiple Choice. What type of motion is being demonstrated by the Motor Module below?



- Linear Motion
 Rotary Motion

Score

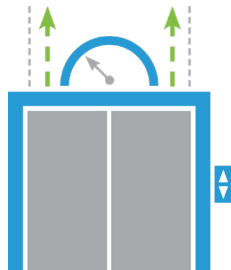
_____ / 1 Point

Lesson Alignment: Rotary Motion

Lesson Concepts: Define and identify rotary motion

Question 2

Multiple Choice. In the example below, an elevator can travel in a straight line up to different floors. What type of motion does this represent?



- Linear Motion
 Oscillating Motion

Score

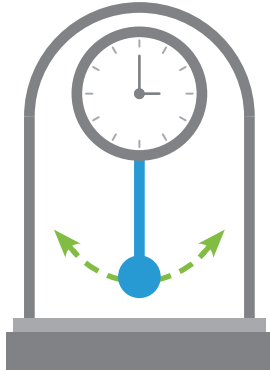
_____ / 1 Point

Lesson Alignment: Linear Motion

Lesson Concepts: Define and identify linear motion

Question 3

Multiple Choice. In the example below, the clock has a pendulum that swings side to side in an arc. What type of motion does this represent?



- Linear Motion
- Oscillating Motion

Score

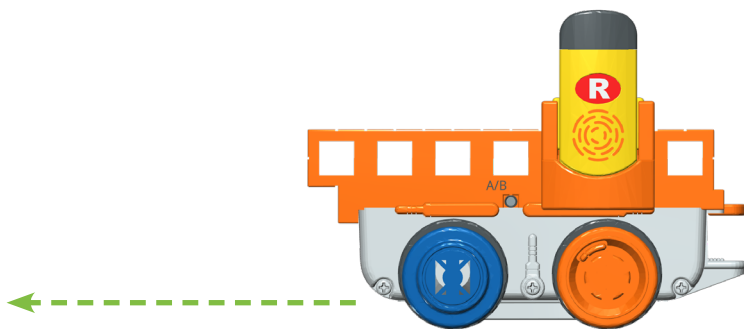
_____ / 1 Point

Lesson Alignment: Oscillating Motion

Lesson Concepts: Identify real-world examples of oscillating motion

Question 4

Multiple Choice. In the example below, the Maker ROK-Bot is driving forward in a straight line. What type of motion does this represent?



- Rotary Motion
- Linear Motion

Score

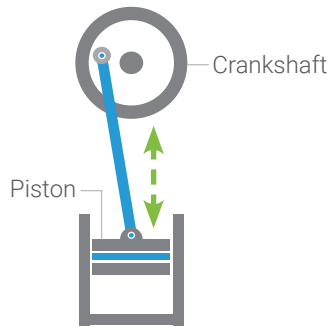
_____ / 1 Point

Lesson Alignment: Linear Motion

Lesson Concepts: Define and identify linear motion

Question 5

Multiple Choice. In the example below, a piston that is connected to a crankshaft moves up and down in a straight line. What type of motion is represented by the moving piston?



- Rotary Motion
- Reciprocating Motion

Score

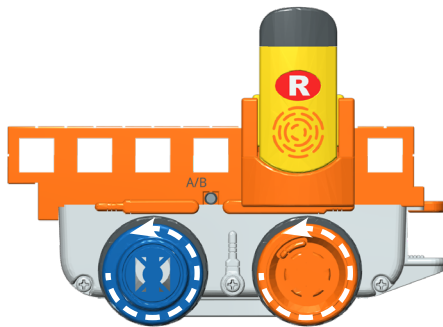
_____ / 1 Point

Lesson Alignment: Reciprocating Motion

Lesson Concepts: Identify real-world examples of reciprocating motion

Question 6

Multiple Choice. What type of motion is being demonstrated by the wheels of the Maker ROK-Bot?



- Reciprocating Motion
- Rotary Motion

Score

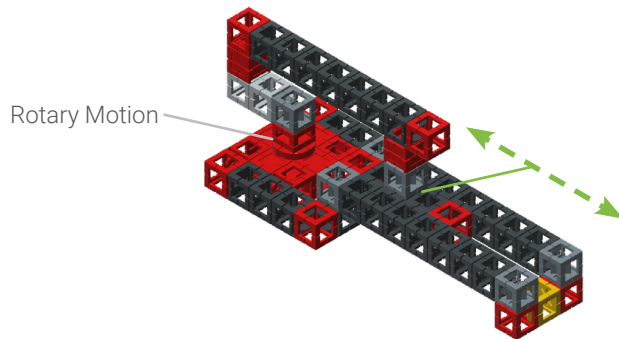
_____ / 1 Point

Lesson Alignment: Rotary Motion

Lesson Concepts: Identify real-world examples of rotary motion

Question 7

Multiple Choice. In the example below, the mechanism is converting rotary motion (from the Motor Module) into motion that moves back and forth in a straight line. What type of motion is being created?



- Oscillating Motion
- Reciprocating Motion

Score

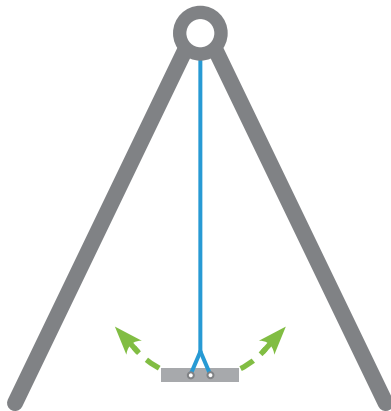
_____ / 1 Point

Lesson Alignment: *Reciprocating Motion*

Lesson Concepts: *Define and identify reciprocating motion*

Question 8

Multiple Choice. In the example below, the swing can move back and forth in an arc. What type of motion does this represent?



- Oscillating Motion
- Rotary Motion

Score

_____ / 1 Point

Lesson Alignment: *Oscillating Motion*

Lesson Concepts: *Identify real-world examples of oscillating motion*