

Student Name: _____

Date: _____

Instructions:

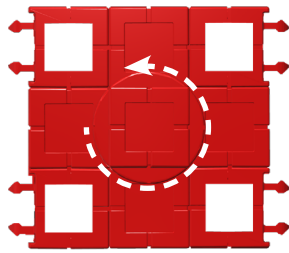
Read carefully through each question and select the correct answer in the spaces provided.

Assessment Score

Total Score: _____ / 8 points

Question 1

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



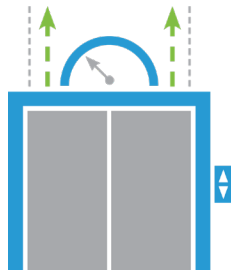
- Linear Motion
- Rotary Motion

Score

_____ / 1 Point

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?



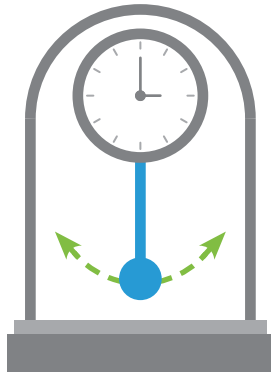
- Linear Motion
- Oscillating Motion

Score

_____ / 1 Point

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?



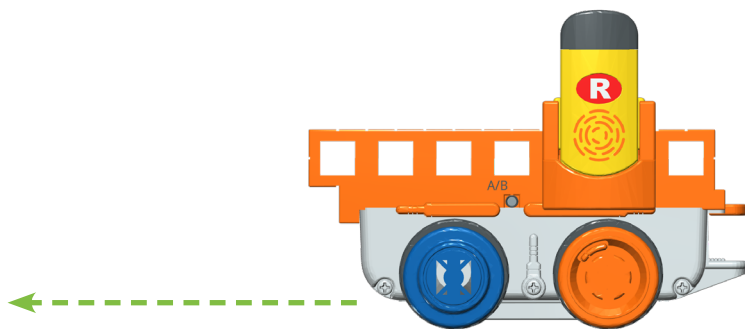
- Linear Motion
- Oscillating Motion

Score

_____ / 1 Point

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?



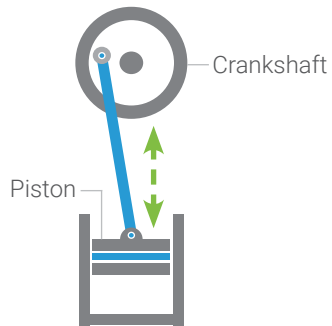
- Rotary Motion
- Linear Motion

Score

_____ / 1 Point

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?



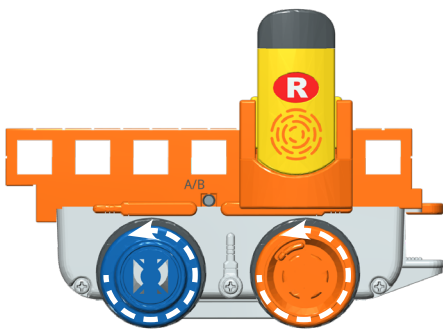
- Rotary Motion
- Reciprocating Motion

Score

_____ / 1 Point

Question 6

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



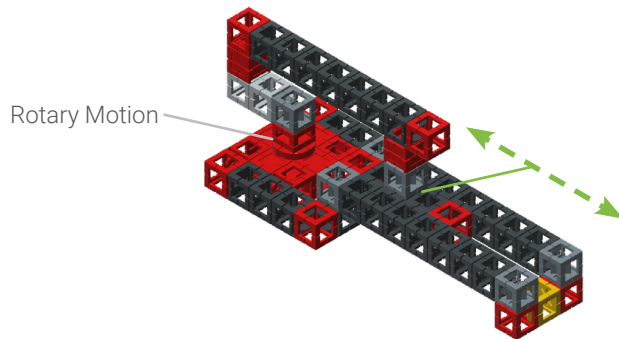
- Reciprocating Motion
- Rotary Motion

Score

_____ / 1 Point

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?



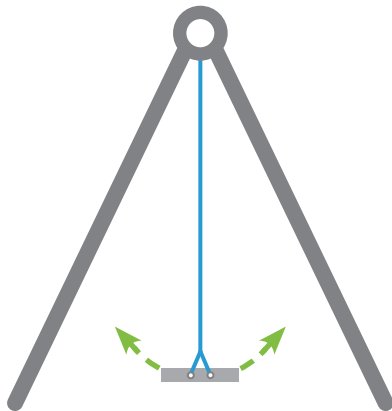
- Oscillating Motion
- Reciprocating Motion

Score

_____ / 1 Point

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