ชื่อ - สกุล .... ชั้น.............. เลขที่...............

Vocabulary Practice

Directions: Match the words with its definitions.

manufacturing	automotive	respond	surfaces	reaction
muscles	movement	appropriate	command	

1. _____ a mass of tissue in the body, often attached to bones

2. _____ the business of producing goods in large numbers, especially in factories

3. _____ the outer or top part or layer of something

4. _____ a change of position

5. _____ relating to road vehicles

6. _____ suitable or right for a particular situation

7. _____ to say or do something as a reaction to something

8. _____ an order, especially one given by a soldier

9. _____ behavior, a feeling or an action that is a direct result of something else

1. What are machines you have found in your daily life?

_____

_____

_____

2. What are the similarities of robots and humans in your idea?

_____

_____

_____

Machines Are Like Us

by Staff Writer

Robots are important in many fields, including the manufacturing, automotive, and medical industries.

Most robots do not look exactly like humans, but they do share several qualities with people. To start, a person may sense the surrounding world using eyes, ears, nose, tongue, and skin that responds to touch. A robot may have sensors that respond to light, sounds, pressure, and chemicals in the air or on surfaces. Next, a human has a brain that responds to this sense information and controls reactions. A robot has a control system and programs that are designed to respond to similar information. Finally, the human brain gives commands to the muscles using the nervous system that can give them movement. A robot's computer "brain" decides on appropriate reactions for the robot "body." The control system gives commands to its moving parts through a computer program which makes them move! As we can see, machines or robots are really like humans.

adapted from https://www.readingvine.com/passages/machines-like-us

Directions: Read the passage and answer the following questions.

Part I: Questions

1. What areas can machines be used with?

_____

_____

2. What do machines use sensors for?

_____

_____

3. What gives humans movement?

_____

_____

4. How many similarities of machines and humans are there in the passage?

Directions: Decide if these statements are true or false based on the passage.

1. _____Robots are essential in a lot of ways.

2. _____People use organs to touch their surrounding world.

3. _____The human brain gives commands to the machines.

4. _____There is not a control system in machines.

ชื่อ - สกุล .... ชั้น.............. เลขที่...............
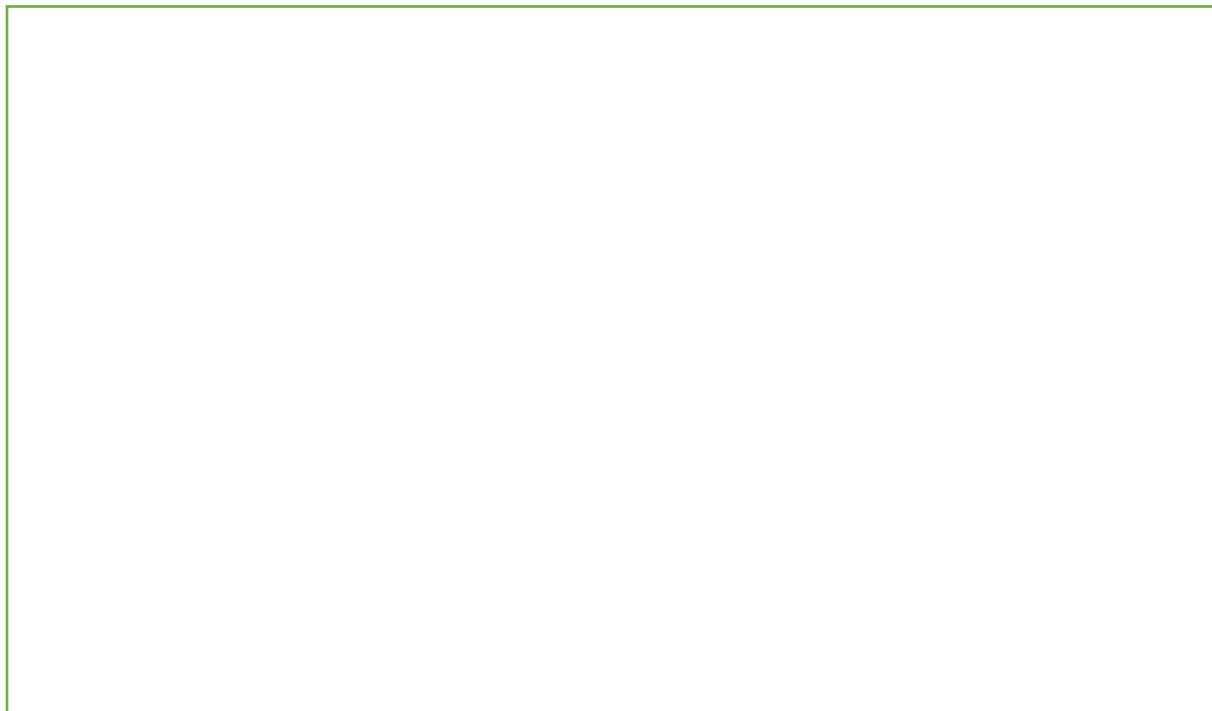
Directions: Work in group of 4 to express your opinions on the following questions.

1. What are the benefits of robots/machines in your daily life?

_____

_____

2. If you could make a machine, what would you create for? Why?

_____

_____

Draw a picture of a machine that you want to create in the space provided below.

ชื่อ - สกุล .... ชั้น.............. เลขที่...............

Vocabulary Practice

Directions: Match the words with its definitions.

> manufacturing   automotive   respond   surfaces   reaction
>
> muscles   movement   appropriate   command

1. ___muscles___   a mass of tissue in the body, often attached to bones

2. __manufacturing_ the business of producing goods in large numbers, especially in

factories

3. __surfaces__   the outer or top part or layer of something

4. __movement___   a change of position

5. __automotive__   relating to road vehicles

6. __appropriate_____ suitable or right for a particular situation

7. __respond____   to say or do something as a reaction to something

8. _command____   an order, especially one given by a soldier

9. __reaction__   behavior, a feeling or an action that is a direct result of something

else

Pre-reading questions

1. What are machines you have found in your daily life?

_____Based on students' ideas_____

2. What are the similarities of robots and humans in your idea?

Based on students' ideas

Machines Like Us

by Staff Writer

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Most robots do not look exactly like humans, but they do share several qualities with people. To start, a person may sense the surrounding world using eyes, ears, nose, tongue, and skin that responds to touch. A robot may have sensors that respond to light, sounds, pressure, and chemicals in the air or on surfaces. Next, a human has a brain that responds to this sense information and controls reactions. A robot has a control system and programs that are designed to respond to similar information. Finally, the human brain gives commands to the muscles using the nervous system that can give them movement. A robot's computer "brain" decides on appropriate reactions for the robot "body." The control system gives commands to its moving parts through a computer program which makes them move! As we can see, machines or robots are really like humans.

adapted from https://www.readingvine.com/passages/machines-like-us

Directions: Read the passage and answer the following questions.

Part I: Questions

1. What areas can machines be used with?

They can be used with the areas of the manufacturing, automotive, and medical industries.

2. What do machines use sensors for?

They use the sensors for responding to light, sounds, pressure, and chemicals in the air or on surfaces.

3. What gives humans movement?

The human brain gives commands to the muscles using the nervous system that can give them movement.

4. How many similarities of machines and humans are there in the passage?

There are three similarities.

Directions: Decide if these statements are true or false based on the passage.

1. __True_____ Robots are essential in a lot of ways.

2. ___True____ People use organs to touch their surrounding world.

3. ____False____ The human brain gives commands to the machines.

4. ____True____ There is not a control system in machines.