

## Worksheet – Chapter 7: Robotics

### Multiple-choice questions

1. A robot is a \_\_\_\_\_.  
a) Living being      b) Machine      c) Plant      d) Animal
2. The branch of technology that deals with robot design is called \_\_\_\_\_.  
a) Biology      b) Robotics      c) Chemistry      d) Astronomy
3. Robots follow instructions given through \_\_\_\_\_.  
a) Songs      b) Programs      c) Pictures      d) Stories
4. A machine that can perform tasks automatically is called a \_\_\_\_\_.  
a) Manual tool      b) Robot      c) Book      d) Computer virus
5. Humanoid robots are designed to look like \_\_\_\_\_.  
a) Animals      b) Cars      c) Humans      d) Computers

### Fill in the blanks

1. Robotics is the branch of \_\_\_\_\_ that deals with robots.
2. A \_\_\_\_\_ is a machine that can perform tasks automatically.
3. Robots work using a set of instructions called \_\_\_\_\_.
4. Sensors help robots to \_\_\_\_\_ their surroundings.
5. Humanoid robots are designed to resemble \_\_\_\_\_.

### True/False

1. Robots can work without any program. (True/False)
2. Robotics helps create machines that assist humans. (True/False)
3. Robots can see and sense using sensors. (True/False)
4. All robots look like humans. (True/False)
5. Robots cannot follow instructions. (True/False)

**Match the following**

- |                   |                                     |
|-------------------|-------------------------------------|
| A. Robot          | 1. Helps robots sense               |
| B. Program        | 2. Machine that works automatically |
| C. Sensors        | 3. Set of instructions              |
| D. Humanoid robot | 4. Looks like humans                |
| E. Robotics       | 5. Study of robots                  |

**Short answer questions**

1. What is a robot?
2. What is robotics?
3. What is the role of sensors in robots?
4. What are humanoid robots?
5. Why do we use robots?