

# ACTIVITY BOOK

## Unit 2: Development of Autonomous Robots

### Lesson 1: Based on reading "Robots: History, Types, and Applications."

**12. True or False activity. Read each statement carefully. Decide whether each statement is true or false based on the reading text "Robots: History, Types, and Applications." Write "True" if you think the statement correctly reflects the information from the text, or "False" if it does not.**

1. The word "robot" is derived from the Russian word "robota," meaning "automatic work." \_\_\_\_\_
2. The first imagined concept of a robot was in a play by Karel Čapek in 1920. \_\_\_\_\_
3. George Devol's robot, Unimate, was primarily used for culinary purposes. \_\_\_\_\_
4. Modern robots are capable of performing tasks like assembly, welding, and healthcare assistance. \_\_\_\_\_
5. Service robots are larger and stronger than industrial robots. \_\_\_\_\_
6. Autonomous robots are designed to operate without any human control. \_\_\_\_\_
7. In the healthcare industry, robots have reduced the quality of patient care. \_\_\_\_\_
8. Home robots can assist with tasks such as cleaning, cooking, and childcare. \_\_\_\_\_

9. Security robots have been used in fire detection and response to theft.

\_\_\_\_\_

10. Robots in the automotive industry have decreased safety and productivity.

\_\_\_\_\_

**13. Fill in the blanks: Complete the sentences with the appropriate words or phrases from the reading text "Robots: History, Types, and Applications." Fill in each blank with the word or phrase that best fits the context based on your understanding of the text.**

1. A robot is a machine that can be \_\_\_\_\_ to perform tasks automatically.
2. The word "robot" comes from the Czech word "robota," which means \_\_\_\_\_.
3. Karel Čapek, a Czech science fiction writer, first imagined robots in his play "\_\_\_\_\_" in 1920.
4. The first truly functioning robot was built in 1928 by \_\_\_\_\_.
5. Devol's robot, called "Unimate," was a robotic arm used in the \_\_\_\_\_ industry.
6. Modern robots can perform a variety of tasks, including assembly, \_\_\_\_\_, packing, and \_\_\_\_\_.
7. \_\_\_\_\_ are used to perform repetitive tasks in a factory environment.
8. \_\_\_\_\_ are used to assist humans in tasks such as healthcare, home, and security.

9. \_\_\_\_\_ can operate without human control and are used for tasks like surveying, exploration, and delivery.
10. In healthcare, robots assist professionals in patient care, \_\_\_\_\_, and \_\_\_\_\_.