

History and Milestones in Robotics

Robotics · Answer Key · 10 Questions

1. In what year did George Devol and Joseph Engelberger form Unimation, the world's first robotics company?

- A) 1956**
- B) 1961
- C) 1965
- D) 1970

2. What was the name of the first industrial robot, installed at a General Motors plant in 1961?

- A) PUMA
- B) Unimate**
- C) Shakey
- D) Stanford Arm

3. Who is credited with coining the term 'robotics' in a short story published in 1942?

- A) Karel Capek
- B) Arthur C. Clarke
- C) Isaac Asimov**
- D) Alan Turing

4. The Stanford Arm, designed by Victor Scheinman in 1969, was the first successful electrically powered robot of what type?

- A) Humanoid
- B) Collaborative
- C) Articulated**
- D) Scara

5. In 1997, which NASA Mars rover became the first successful autonomous mobile robot to operate on the surface of another planet?

- A) Sojourner**
- B) Curiosity
- C) Spirit
- D) Opportunity

6. How many degrees of freedom does the classic PUMA 560 industrial robot arm possess?

- A) 3
- B) 4
- C) 6**
- D) 8

7. Karel Capek introduced the word 'robot' to the world in his 1920 play titled:

- A) R.U.R.**
- B) The Iron Man
- C) Metropolis
- D) Robot Dreams

8. In 1981, Takeo Kanade built the first direct-drive robot arm, which allowed for faster and more precise movement by eliminating what component?

- A) Sensors
- B) Gears**
- C) Batteries
- D) Hydraulics

9. What is the name of the humanoid robot unveiled by Honda in 2000, capable of walking and climbing stairs?

- A) ASIMO**
- B) QRIO
- C) NAO
- D) Atlas

10. The DARPA Grand Challenge, which accelerated autonomous vehicle development, held its first competition in what year?

- A) 2001
- B) 2004**
- C) 2007
- D) 2010