



## COOL TECH

# Robot Soldiers and Other Military Tech

The modern battlefield is fraught with danger. Technology is being used to keep soldiers and other personnel safe, increasingly by removing them from combat zones. But will future military technology be used to keep people safe, or to harm more people? Read all about it in *Robot Soldiers and Other Military Tech!*

### What did you learn?

#### QUESTIONS

1. In 2011, AeroVironment, Inc. unveiled its Nano ...
  - a. Blue jay
  - b. Cardinal
  - c. Robin
  - d. Hummingbird
2. A Predator drone was successfully armed with a missile during the year ...
  - a. 2001
  - b. 2010
  - c. 1984
  - d. 2020
3. Atlas is a humanoid robot designed for ...
  - a. Military purposes
  - b. Search and rescue
  - c. Bomb disposal
  - d. Security guard purposes
4. LaWs stands for ...
  - a. Laser Weapon System
  - b. Large Weapon System
  - c. Laser War System
  - d. Lawful War System
5. What is a drone?
6. What does GPS stand for?

#### TRUE OR FALSE?

- |  |   |
|--|---|
| _____ 1. True robots have at least some autonomy.    | _____ 4. The Ratnik-3 exoskeleton is used for medical practices.  |
| _____ 2. The Predator and Reaper aren't fast planes. | _____ 5. George W. Bush pulled out of the Anti-Ballistic Missile Treaty.  |
| _____ 3. A dazzler is a lethal weapon.               | _____ 6. The Outer Space Treaty prohibits weapons of mass destruction from being stationed in space and warfare in space. |



## ANSWERS

- 1. d. Hummingbird.** According to the section "Robot Soldiers" on page 9, we know that "In 2011, the American technology company AeroVironment, Inc. unveiled its Nano Hummingbird." So, the correct answer is D.
- 2. a. 2001.** According to the section "Robot Soldiers" on page 13, we know that "... a Predator was successfully armed with a missile in 2001." So, the correct answer is A.
- 3. b. Search and rescue.** According to the section "Robot Soldiers" on page 14, we know that "Atlas is a humanoid robot designed for search-and-rescue operations." So, the correct answer is B.
- 4. a. Laser Weapon System.** According to the section "Lasers" on page 23, we know that "One of the most promising leads in laser-weapon technology is the Laser Weapon System (LaWs), which was first used by the U.S. Navy in 2014." So, the correct answer is A.
- 5.** According to page 46, a drone is "an uncrewed aerial vehicle."
- 6.** According to page 46, GPS stands for Global Positioning System.

## TRUE OR FALSE? ANSWERS

- 1. True.** According to the section "Robot Soldiers" on page 9, we know that "True robots have at least some autonomy." So, the correct answer is True.
- 2. False.** According to the section "Robot Soldiers" on page 13, we know that "The Predator and Reaper are not fast planes." So, the correct answer is False.
- 3. False.** According to the section "Lasers" on page 23, we know that "A dazzler is a nonlethal weapon that uses directed radiation to temporarily blind or disorient its intended target." So, the correct answer is False.
- 4. False.** According to the section "Exoskeletons" on page 26, we know that "In 2018, Russia unveiled its Ratnik-3 combat suit. Ratnik-3 supposedly features low-level exoskeleton components to afford soldiers more strength and stamina." So, the correct answer is False.
- 5. True.** According to the section "Missile Defense" on page 38, we know that "In 2002, U.S. President George W. Bush pulled out of the treaty." So, the correct answer is True.
- 6. False.** According to the section "Space Wars" on page 43, we know that "In 1967, around 100 countries—including the United States and Soviet Union—ratified the United Nations' Outer Space Treaty, which prohibits weapons of mass destruction from being stationed in space. But it did not prohibit warfare in space." So, the correct answer is False.