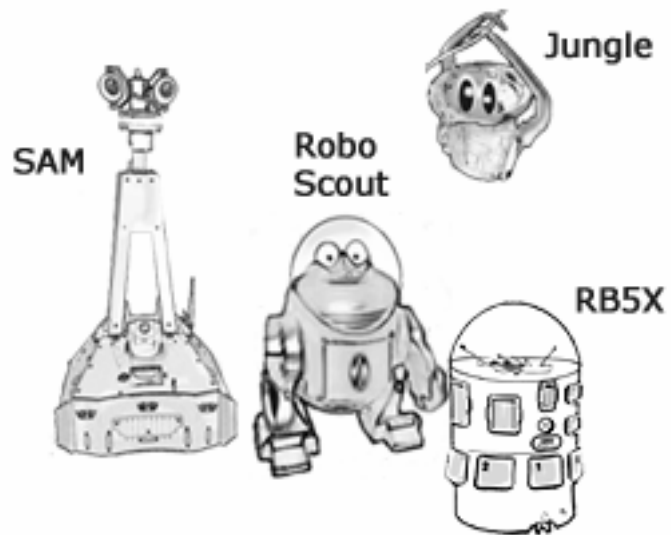


ROBO Quiz



Answer the following **25** questions and see how many you can recall from the Show!

- 1. To the average employer, Robots are the perfect employees because they:**
 - A. Can work 24 hours a day, seven days a week
 - B. Can be reprogrammed easily to improve or change their tasks
 - C. Never complain or socialize with co-workers
 - D. All the above
- 2. What sensor enabled the RB5X Robot to time the "Walking Race"?**
 - A. Touch
 - B. Proximity
 - C. Sonar
 - D. Visual
- 3. What occupation would NOT be involved in the field of Robotics?**
 - A. Electrical Engineer
 - B. Mechanical Engineer
 - C. Hotel Management
 - D. Software Programmer
- 4. The human brain is capable of processing 38 billion instructions per second**
 - A. True
 - B. False

5. **The RB5X can "see" using sonar, much the same way as this animal detects size, and even the direction of moving insects**
- A. Squirrels
 - B. Bats
 - C. Ground Hogs
 - D. Snakes
6. **What sensor needs to be triggered for the "Jungle Robot" to climb the rope?**
- A. Smell
 - B. Sound
 - C. Visual
 - D. Distance
7. **Which country presently leads the world in the use of industrial Robots?**
- A. China
 - B. India
 - C. Canada
 - D. Japan
8. **A remotely operated Robot is NOT necessary for:**
- A. Search and rescue
 - B. Fire fighting
 - C. Product Assembly
 - D. Surveillance
9. **Which Robot in the show can capture pictures and video of its surroundings?**
- A. RoboScout
 - B. Sam
 - C. Jungle Robot
 - D. RB5X
10. **How does the Robot "Sam" distinguish between a human and an inanimate object?**
- A. Detection of body heat
 - B. By asking questions
 - C. Finding a pulse
 - D. None of the above

- 11. Choose one task the Honda Asimo Robot is NOT capable of performing?**
- A. Kicking a soccer ball
 - B. Recognizing faces
 - C. Preparing a meal
 - D. Running
- 12. Approximately how many of the most powerful computers on Earth would be needed to perform the thinking functions of just one human brain?**
- A. 2
 - B. 10
 - C. 60
 - D. 12
- 13. What two types of Robots were viewed in the show's video footage?**
- A. Big and Small
 - B. Industrial and Service
 - C. Military and Medical
 - D. Entertaining and Educational
- 14. A person who creates programs or teaches a Robot to complete a sequence of instructions is called a _____.**
- A. Electrician
 - B. Architect
 - C. Programmer
 - D. Transformer
- 15. Why are Robots the manufacturing tools of the future?**
- A. Because they do dangerous jobs
 - B. Because they are fast
 - C. Because they are efficient
 - D. All the above
- 16. What is the origin of the word "Robot"?**
- A. It comes from the Czech word meaning forced labour
 - B. It comes from the German word for automatic
 - C. It comes from the Latin word for help
 - D. It comes from the Norse words for false and person

17. What device allows a Robot to hear?

- A. Camera
- B. Microphone
- C. Grippers
- D. Motor

18. What is the impact on products manufactured by Robots?

- A. Consistent quality
- B. Reduced cost
- C. Increased cost
- D. Both A and B

19. Which Robot in the show was able to pick and place objects?

- A. RoboScout
- B. Sam
- C. Jungle Robot
- D. RB5X

20. How is the RB5X Robot capable of quizzing students on Math problems?

- A. The RB5X learns math from listening to humans
- B. A program was written with instructions and downloaded into it's memory
- C. It made educated guesses
- D. All of the above

21. A Robot arm is to be used to pick faulty table tennis balls from a production line. Which of the following would be a suitable tool?

- A. Suction cup
- B. Welding tool
- C. Screwdriver
- D. Tweezers

22. What would NOT be considered Robotic?

- A. Toaster oven
- B. Remote controlled airplane
- C. Traffic lights
- D. VCR

23. How are Robots assisting people with physical challenges?

- A. Robotic Devices are helping stroke patients regain arm motion
- B. Artificial limbs that can be programmed
- C. Smart wheelchairs that have sensors
- D. All the above

24. What are three advantages a manufacturing company may gain from implementing Robotics?

- A. Improve productivity
- B. Improve quality of products
- C. Prevent business from closing
- D. Employee accident reduction
- E. All of the above

25. True or False? Math, Science, Language and even Art are all important subjects to learn for the field of Robotics?

- A. True
- B. False

Teacher **Answer Key**

1. To the average employer, Robots are the perfect employees because they:

D. All the above
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