

大学英语四级模拟试卷第14组（阅读4）PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/162/2021_2022__E5_A4_A7_E5_AD_A6_E8_8B_B1_E8_c83_162523.htm Passage Four

Questions 36 to 40 are based on the following passage. The next generation of robots will be able to see objects, will have a sense of touch, and will make critical decisions. Engineers skilled in microelectronics and computer technology are developing artificial vision for robots. With the ability to “ see ” , robots can identify and inspect one specific class of objects out of a stack of different kinds of materials. One robot vision system uses of electronic digital cameras containing many rows of lights sensitive materials measure the intensity of light and convert the light rays into a range of numbers. The numbers are part of a gray-scale system in which brightness is measured in a range of values. One scale ranges from 0 to 15, and another from 0 to 255. The 0 is represented by black. The highest number is white. The numbers in between represent different shades of gray. The computer then makes the calculations and converts the numbers into a picture that shows an image of the object in question. It is not yet known whether robots will one day have vision as good as human vision. Technicians believe they will, but only after years of development. Engineers working on other advances are designing and experimenting with new types of articulated metal hands and fingers, giving robots a sense of touch. Other engineers are writing new programs allowing robots to make decisions such as whether to discard defective parts in finished products. To do this, the robot will

also have to be capable of identifying those defective parts. These future robots, assembled with a sense of touch and the ability to see and make decisions, will have plenty of work to do. They can be used to prospect for minerals on the ocean floor or in deep areas of mines too dangerous for humans to enter. They will work as gas station attendants, firefighters, house-keepers, and security personnel. The robot business will continue to grow also. Financial analysts believe this business will soar from a \$ 100 million-industry at the start of the 1980s to a \$ 5-billion industry by the early 1990s. Anyone wanting to understand the industry of the future will have to know about robots.

36. Why is it so important for robots to be able to “ see ” ?A) So they can criticize human factory personnel.B) So they can make critical decisions.C) So they can work better for human beings.D) Because they have a strong desire.

37. What kinds of tasks are robots most suitable for?A) Boring, repetitive, and dangerous tasks.B) Difficult tasks.C) Heavy tasks.D) Strenuous tasks.

38. Why will those people interested in industry have to know about robots?A) Because robot-business will grow rapidly.B) Because robots will be very useful.C) Because robots will become very prevalent in industry.D) For they can make a lot of money.

39. What is the meaning of “ defective ” in the second paragraph?A) Having a noticeable or desire effect.B) Unquestionable and undoubted.C) Imperfect, having serious errors.D) Not enough in quantity.

40. What is the best title for this passage?A) Future Robots Will Have Plenty of Work to Do.B) Future Robots Will See, Touch, and Think.C) Engineers Care Designing New Types of Robots.D) Future Robots Will Have

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