


NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

SCORE: \_\_\_\_\_ /50

**A**  Listen to a conversation between two friends, Hayley and Nathan. Choose the correct answers.

- 1 How did Nathan initially feel about his robot cleaner?
  - A** opposed to the idea of having one
  - B** surprised that it took longer to clean the apartment than he thought
  - C** disappointed that it didn't clean all areas effectively
- 2 What problem did Nathan have with the cleaner?
  - A** It took two hours to clean his home.
  - B** It was distracting on weekends.
  - C** It destroyed a pair of his best shoes.
- 3 Hayley and Nathan agree that ...
  - A** there will be more robots in homes in the future.
  - B** new homes will have integrated technology.
  - C** entertainment will be the main benefit of smart homes.
- 4 What does Hayley say about the cost of smart homes?
  - A** There might be both costs and savings.
  - B** People will save money because they will use less heating.
  - C** More devices in the home will mean bigger electricity bills.
- 5 What does Nathan say about security?
  - A** Companies could watch your home when you are away.
  - B** Security cameras would reduce burglaries.
  - C** Smart systems could notice movement in your home.

\_\_\_\_\_ / 10 (2 points each)

**B** Choose the correct answers.

- 1 Robots of the future will be *gradually* / *radically* different from those emerging today.
- 2 Each year, computers are *progressively* / *potentially* outperforming humans at chess.
- 3 Many people fear that robots will *ultimately* / *dramatically* replace humans completely.
- 4 *Unquestionably* / *Comprehensively*, humans are better than machines at making decisions that involve uncertainty.
- 5 *Potentially* / *Markedly*, AI development might widen the existing digital divide between countries.
- 6 *Inevitably* / *Drastically*, one day robots will work alongside us.
- 7 AI is *increasingly* / *radically* doing tasks that were once done exclusively by humans.
- 8 Studies show that last year productivity in business was *dramatically* / *feasibly* improved by using automation.

\_\_\_\_\_ / 8 (1 point each)

**C** Complete the sentences with the words from the box.

artificial intelligence  
speech-to-text

beta version  
virtual assistant

computer translation  
voice activation

operating system  
working prototype

- 1 If a \_\_\_\_\_ of software is popular with users, it may lead to a successful final product.
- 2 Brad wasn't sure if the \_\_\_\_\_ on his computer was Windows 8 or 10.
- 3 Machines with \_\_\_\_\_ can be programmed to think like a human and imitate the way a person acts.
- 4 Jacob's cell phone has \_\_\_\_\_ set up on it, which means he can tell his phone to dial a friend's number.
- 5 When the company tested the first \_\_\_\_\_ of their robot, they realized it needed better stability.
- 6 In the last few years, \_\_\_\_\_ has improved a lot, but it doesn't do well when faced with jokes and poetry!
- 7 Before you can use a \_\_\_\_\_, you have to train it to recognize your voice.
- 8 To save time typing, the writer used \_\_\_\_\_ software and simply dictated his novel to his computer.

\_\_\_\_\_ / 8 (1 point each)

**D** Choose the correct position, A or B, for the adverbs in parentheses.

- 1 Robot soldiers A will B replace human soldiers. (eventually)
- 2 Computer translation software A will B never be 100% error-free. (clearly)
- 3 Robots are A going to B make it easier for surgery to be performed. (inevitably)
- 4 Robot companions A are B bound to become more popular in the future. (surely)
- 5 Artificial intelligence A is B about to revolutionize the way we work. (evidently)
- 6 Driverless cars will A not be able B to prevent all traffic accidents. (unfortunately)
- 7 Making homes smarter with artificial intelligence A will B make life easier for many people. (certainly)

\_\_\_\_\_ / 7 (1 point each)

**E** Complete the sentences with the future perfect or the future perfect continuous using the verb in parentheses ( ).

- 1 I've almost finished my report. By 8 o'clock, I \_\_\_\_\_ (work) on it for 4 hours.
- 2 Next year, Josh \_\_\_\_\_ (study) robotics for five years and will only have one more year to go.
- 3 Next month, Paul and John \_\_\_\_\_ (know) each other for ten years.
- 4 At midnight, the chess match between the robot and the human \_\_\_\_\_ (go) on for an incredible eight hours.
- 5 On November 8, Tim and Jennifer \_\_\_\_\_ (date) each other for three years.
- 6 In 20 years, people \_\_\_\_\_ (forget) the problems we had with our beta version.
- 7 Did you know that tomorrow we \_\_\_\_\_ (have) this house for a whole year?

\_\_\_\_\_ / 7 (1 point each)

**F** Read the article. Then choose the correct answers.

**AI in Sports**

When most people think about artificial intelligence, they think about AI being applied to work or home life, but the sports world is being revolutionized by AI technology. Using wearable technology, data can be collected while players are performing. This provides many benefits.

**Finding Talent**

Using AI algorithms, sports teams can analyze a player's performance statistics in a single game, over their season, or throughout their career. Computers can analyze data faster than humans, providing a wealth of in-depth information that can be used to decide the next star that a team should recruit.

**Managing Health**

Using wearable technology, coaches can monitor players' heart rates and movements. In 2016, the soccer team Leicester City, using wearable technology, won the English Premier League partly because they kept more players injury-free by optimizing training sessions and resting tired players.

**Improving Performance**

By tracking the players' movements in training, the data that is generated can be used to see which players are performing well. In baseball, AI can calculate the speed at which players throw the ball and swing the bat. In tennis, wearables can read movements for different types of shots. In American football training sessions, cameras in helmets can show exactly what the players can see – invaluable information for coaches. Creating profiles of successful performance makes it easier for coaches to replicate success because players have models to follow.

AI isn't perfect, and a large supply of data must be gathered before interpretations are made. Regardless of how sophisticated AI tools become, humans are not likely to be replaced soon.

One AI industry expert suggested that AI would mainly be used to challenge the beliefs and selections of talent scouts rather than to replace talent scouts completely.

With the wearable devices market expected to exceed \$51.5 billion by 2022, it is clear that successful teams will be those embracing technology.

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| <p>1 According to the text, AI can ...</p> <ul style="list-style-type: none"><li><b>A</b> analyze the accuracy of coaching.</li><li><b>B</b> determine which players are performing well.</li><li><b>C</b> choose which player a team should hire.</li></ul> <p>2 The writer says that wearable technology ...</p> <ul style="list-style-type: none"><li><b>A</b> can help players run for longer distances.</li><li><b>B</b> can assist coaches in deciding who to substitute during games.</li><li><b>C</b> helped one team keep more of their players healthy.</li></ul> <p>3 According to the text, in baseball, tennis, and American football ...</p> <ul style="list-style-type: none"><li><b>A</b> players use wearable vests to improve performance.</li><li><b>B</b> coaches get vital information from what the players can see.</li><li><b>C</b> the data received provides players with models of good performance.</li></ul> | <p>4 According to the text, AI ...</p> <ul style="list-style-type: none"><li><b>A</b> will interpret data better in the future.</li><li><b>B</b> will serve to assist in player selection.</li><li><b>C</b> may replace some coaches in the near future.</li></ul> <p>5 What is the general attitude of the writer towards AI in sports?</p> <ul style="list-style-type: none"><li><b>A</b> certain that it offers real benefits for coaches and players</li><li><b>B</b> skeptical that it will be widely used</li><li><b>C</b> unsure that coaches will be able to interpret large quantities of data</li></ul> |
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- \_\_\_\_\_ / 10 (2 points each)