

English Passage and Problems : mango

Passage 5: The Future of Automated Aviation

Advances in technology have created many new and exciting jobs. Eventually, however, they may also cause some traditional jobs to disappear. One group of people who are at risk of losing their jobs in the future is pilots. Have you heard of self-flying airplanes? Although it may sound scary, today's airplanes already have an auto-pilot function that helps the human pilots. And unmanned aircraft, better known as drones, are already flying in our skies. Companies that make airplanes are currently working hard to create fully automated airplanes. The size of the crew on passenger jets has already begun to shrink. In the near future, there may be a single crew member. That person's job will be to keep an eye on the auto-pilot system.

1. What is the primary concern expressed in the passage regarding the future of aviation?

Answer: _____

2. Correct the grammatical error in the sentence: 'The size of the crew on passenger jets has begin to shrink.'

Answer: _____

3. Rewrite the sentence 'Pilots are at risk of losing their jobs' using a passive structure.

Answer: _____

4. Explain why automated airplanes are considered both an opportunity and a threat.

Answer: _____

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5. What role does technology play in reducing the need for human pilots?

Answer: _____

6. Which of the following is NOT mentioned as a benefit of automated aviation?

- A. Reduced crew size
- B. Lower costs
- C. Improved safety
- D. Increased need for pilots
- E. Greater efficiency

7. Choose the correct form: 'Today?s airplanes already (have/has) an auto-pilot function.'

- A. have
- B. has

8. What is implied about the future job market for pilots according to the passage?

- A. Pilots will need to adapt.
- B. There will be fewer opportunities for pilots.
- C. Pilots' roles will become obsolete.
- D. New roles will emerge for pilots.
- E. Automation will have no effect on jobs.

9. Which of the following best describes the overall tone of the passage?

- A. Optimistic
- B. Cautious
- C. Excited
- D. Critical

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E. Fearful

10. Explain the potential risks associated with fully automated airplanes.

Answer: _____

11. Why does the author mention drones in the passage?

A. Drones are an example of current unmanned flight technology.

B. Drones highlight the risks of automation.

C. Drones are widely used by the aviation industry.

D. Drones prove that full automation is safe.

E. Drones help to reduce human error.

12. What can be inferred about the future responsibilities of crew members on passenger jets?

A. They will manage the auto-pilot system.

B. They will be responsible for passenger safety.

C. They will oversee communication with ground control.

D. They will need to intervene in emergencies.

E. They will have less responsibility.

13. Transform the sentence 'The auto-pilot system helps the human pilots' into a passive voice.

Answer: _____

14. What might be a consequence of complete reliance on automated systems in aviation?

15. Based on the passage, how should the aviation industry prepare for the shift towards automation?

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Answer: _____

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Explanations

1. The main concern in the passage is that automation might replace human pilots, leading to job loss.
2. The correct form should be 'has begun to shrink,' as 'begin' is incorrectly used.
3. In the passive form, the sentence should be 'Jobs are at risk of being lost by pilots.'
4. Automated airplanes offer opportunities for efficiency and safety but pose a threat to jobs.
5. Technology, such as auto-pilot and drones, reduces the need for human intervention.
6. A benefit not mentioned in the passage is 'Increased need for pilots.' Automation actually reduces the need for pilots.
7. The correct form is 'have' since the subject 'airplanes' is plural.
8. The future job market for pilots implies that there will be fewer opportunities due to automation.
9. The tone of the passage is cautious, balancing both the potential risks and benefits of automation.
10. The risks include system failures and the potential over-reliance on automated systems without human backup.
11. The mention of drones serves as an example of existing unmanned flight technology.
12. Future crew members will primarily manage and monitor the auto-pilot systems.
13. The passive form of the sentence is 'The auto-pilot system is helping the human pilots.'
14. Complete reliance on automation could lead to issues if the systems fail or are not properly supervised.
15. The aviation industry should invest in retraining programs for pilots and ensure that safety protocols account for potential system failures.