

Quiz: ai

1. What does AI stand for?

- A) Artificial Intelligence
- B) Advanced Innovation
- C) Automated Insight
- D) Adaptive Interface

2. Which of the following is an application of AI?

- A) Web Development
- B) Virtual Assistants
- C) Networking
- D) Database Management

3. What is machine learning?

- A) A type of AI that can only be used for robotics
- B) A subset of AI that involves training models on data
- C) A type of computer hardware used for AI
- D) A type of computer network used for AI

4. Which of the following is a benefit of using AI?

- A) Increased error rate
- B) Improved efficiency
- C) Reduced productivity
- D) Decreased accuracy

5. What is natural language processing?

- A) A type of AI that can only understand written language
- B) A subset of AI that involves enabling computers to understand human language
- C) A type of computer hardware used for AI
- D) A type of computer network used for AI

6. Which of the following is an example of a deep learning model?

- A) Decision Tree
- B) Random Forest
- C) Convolutional Neural Network
- D) Linear Regression

7. What is computer vision?

- A) A type of AI that can only understand audio data

- B) A subset of AI that involves enabling computers to interpret visual data
- C) A type of computer hardware used for AI
- D) A type of computer network used for AI

8. Which of the following is a challenge of implementing AI?

- A) Data scarcity
- B) Computational power surplus
- C) Algorithm simplicity
- D) Model interpretability surplus

9. What is reinforcement learning?

- A) A type of learning where an agent learns from trial and error
- B) A type of learning where an agent is trained on labeled data
- C) A type of learning where an agent is trained on unlabeled data
- D) A type of learning where an agent is not trained at all

10. Which of the following is an ethical consideration in AI development?

- A) Profit maximization
- B) Job creation
- C) Bias mitigation
- D) Environmental degradation

Answer Key

| Question # | Correct Answer |
|------------|---|
| 1 | A) Artificial Intelligence |
| 2 | B) Virtual Assistants |
| 3 | B) A subset of AI that involves training models on data |
| 4 | B) Improved efficiency |
| 5 | B) A subset of AI that involves enabling computers to understand human language |
| 6 | C) Convolutional Neural Network |
| 7 | B) A subset of AI that involves enabling computers to interpret visual data |
| 8 | A) Data scarcity |
| 9 | A) A type of learning where an agent learns from trial and error |

