

## Quiz: ai

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### 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

