

# Introduction to Artificial Intelligence

Artificial Intelligence · Answer Key · 18 Questions

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## 1. What does the abbreviation AI stand for?

- A) Artificial Intelligence**
- B) Automated Internet
- C) Advanced Information
- D) Applied Informatics

## 2. What is the primary goal of Artificial Intelligence?

- A) To replace all human workers
- B) To create machines that can perform tasks requiring human intelligence**
- C) To build faster video game consoles
- D) To delete all digital data

## 3. Which field of AI involves machines learning from data to improve their performance?

- A) Machine Learning**
- B) Manual Programming
- C) Hardware Engineering
- D) Graphic Design

## 4. What is a 'chatbot'?

- A) A type of robotic insect
- B) A computer program designed to simulate conversation with human users**
- C) A physical robot that cleans floors
- D) A special type of computer monitor

## 5. In the context of AI, what is 'data'?

- A) A type of computer virus
- B) Information used by a system to learn or make decisions**
- C) A physical storage device
- D) A computer game character

## 6. Which of the following is a common application of AI in everyday smartphones?

- A) Voice assistants like Siri or Google Assistant**
- B) Physical battery charging
- C) Screen brightness control
- D) Keyboard tactile feedback

**7. What is a 'neural network' in AI inspired by?**

**A) The human brain**

B) Electrical power grids

C) Ocean currents

D) Weather patterns

**8. What does it mean for an AI to be 'trained'?**

A) It is taken to a gym

**B) It is taught using large sets of examples to recognize patterns**

C) It is physically built by hand

D) It is painted in bright colors

**9. Which of these is a famous AI challenge involving a board game?**

A) Tic-Tac-Toe

**B) Chess**

C) Hide and Seek

D) Tag

**10. What is 'Natural Language Processing' (NLP)?**

**A) A branch of AI that helps computers understand human language**

B) A method for physical robot movement

C) A way to speed up internet connections

D) A technique for graphic design

**11. Who is often considered the 'father of computer science' and proposed tests for machine intelligence?**

**A) Alan Turing**

B) Thomas Edison

C) Nikola Tesla

D) Steve Jobs

**12. What is an algorithm in the context of AI?**

**A) A set of step-by-step instructions for a computer to follow**

B) A type of computer hardware

C) A computer keyboard

D) A specific brand of software

**13. Can AI systems sometimes make mistakes?**

**A) Yes, they can produce incorrect results based on flawed data**

B) No, AI is always 100% perfect

C) Only when they are turned off

D) Only if they are broken physically

**14. What is 'Computer Vision'?**

**A) The ability of a computer to 'see' and interpret images or video**

- B) A type of prescription eyewear
- C) The process of cleaning a computer monitor
- D) A method for typing faster

**15. What does the term 'Automation' refer to in AI?**

**A) Performing tasks with minimal human intervention**

- B) Building robots for movies
- C) Writing computer code by hand
- D) Deleting old files

**16. What is the role of an AI model's 'training data'?**

**A) To provide the examples the system learns from**

- B) To provide power to the computer
- C) To create a 3D model of the robot
- D) To store the computer's operating system

**17. Which company is known for developing large language models like GPT?**

**A) OpenAI**

- B) NASA
- C) Coca-Cola
- D) McDonalds

**18. Is AI used to help detect patterns in medical images like X-rays?**

**A) Yes, it assists doctors in analyzing images**

- B) No, computers cannot analyze images
- C) Only in science fiction movies
- D) Only for billing purposes