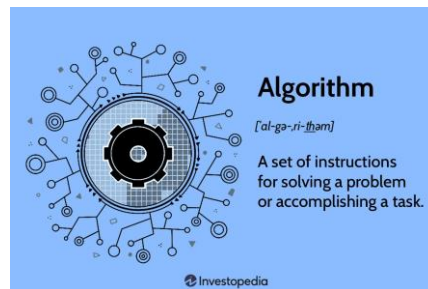


Text 2: The Role of Artificial Intelligence



What is Artificial Intelligence (AI)?

Artificial Intelligence, or AI, refers to the simulation of human intelligence by machines. AI systems are designed to perform tasks that typically require human cognition, such as learning, problem-solving, and decision-making. Examples of AI in action include voice assistants like Siri or Alexa, which can understand and respond to spoken commands, and recommendation systems that suggest movies or products based on your preferences.

Applications of Artificial Intelligence

AI has a wide range of applications across various industries:

- **Healthcare:** AI helps in diagnosing diseases, analyzing medical images, and personalizing treatment plans.
- **Transportation:** Self-driving cars use AI to navigate roads and avoid obstacles.
- **Customer Service:** Chatbots powered by AI can handle customer queries 24/7, improving efficiency.
- **Finance:** AI systems detect fraudulent transactions and assist in investment decisions.

How Does AI Work?

AI operates by processing large amounts of data and identifying patterns to make predictions or decisions. For example, machine learning—a subset of AI—trains systems to improve their performance by learning from past data. Neural networks, inspired by the human brain, allow AI to analyze complex patterns, such as recognizing faces in photos.

Challenges and Ethical Concerns

While AI offers many benefits, it also poses challenges. Bias in AI systems can lead to unfair outcomes if the training data is not diverse. Additionally, ethical concerns arise about job displacement and privacy issues, as AI becomes more integrated into our lives.

Comprehension Questions

I. Vocabulary

Find the meanings of the following terms and translate them into French:

- Artificial Intelligence
- Neural network
- Fraudulent
- Cognition

II. True or False

- AI systems can perform tasks that require human-like decision-making.
- Machine learning is not a part of artificial intelligence.
- Self-driving cars are an example of AI in transportation.

III. Open-ended Questions

- What is Artificial Intelligence, and how does it differ from traditional programming?
- Name three fields where AI is used and describe one in detail.
- What are two challenges associated with AI, and how might they be addressed?

IV. Writing Task

Write a short paragraph (5–7 sentences) about an AI system. Explain its purpose, how it works, and how it is applied in a specific field.

Good luck !