

## UNIT 30

### ARTIFICIAL INTELLIGENCE

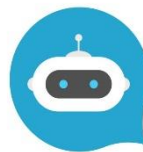
**Objectives:** at the end of the lesson, students will be able to:

1. learn and use basic AI-related vocabulary, such as "machine learning," "algorithm," and "agent."
2. describe at least three common applications of AI in everyday life;
3. discuss how AI impacts their daily lives and future career choices.

**Lead-in:** Let's Talk!

1. What technology do you use every day?
2. Do you think robots will ever think like humans?

**Guess what these examples are and what they do.**



(Siri, Alexa, chatbots, and robot)

### Vocabulary Building

#### Key Terms

**Pattern recognition** – is the process of classifying objects by examining their visual appearance

**Cognitive scientist** – is a person who studies the mind and thought processes

**Heuristics** – is a type of algorithm designed to find a suitable solution to a problem when no perfect solution or answer is known

**Consciousness** – is the state of being aware of oneself and one's actions

**Agent** – is a computer that observes and reacts to the conditions in a certain environment

**Algorithm** – is a rule or set of rules that provides steps to take or questions to ask in order to solve a problem

**Machine learning** – is a field of study concerned with creating algorithms that computers can use to learn from their experiences

**Activity:** Choose the correct answers.

**1. What is "machine learning"?**

- a) A computer game
- b) A way for computers to learn from data and improve over time
- c) A type of robot
- d) A computer that fixes itself

**2. What does the term "agent" refer to in AI?**

- a) A person who helps with computers
- b) A computer program that performs tasks or makes decisions
- c) A type of smartphone
- d) A specific kind of computer

**3. What is an "algorithm"?**

- a) A type of electronic device
- b) A step-by-step set of instructions for solving a problem
- c) A kind of software
- d) A hardware component of a computer

**4. Who is a "cognitive scientist"?**

- a) A person who studies how the mind works
- b) A person who builds robots
- c) A computer technician
- d) A person who writes computer code

**5. What are "heuristics"?**

- a) Tools used to build computers
- b) Simple rules or methods to solve problems quickly
- c) A type of computer language
- d) Advanced robots

## **6. What does "pattern recognition" mean?**

- a) Recognizing people's faces
- b) Finding and understanding patterns or trends in data
- c) Learning to play musical instruments
- d) Identifying different types of computers

### **Speaking**

#### **Group Work Activity: Discussion**

Students discuss in small groups how AI affects their daily lives.

They can talk about:

- How they use AI in their smartphones
- How AI might impact their future careers
- Any AI technologies they find interesting

#### **Activity: Debate**

Students are divided into two groups and present arguments for or against the statement.

**Topic:** *Is AI more beneficial or harmful?*

### **Home assignment**

Create a quiz about AI terms and concepts. The types of quizzes might be multiple-choice, true /false, or short-answer questions. The answers should not be indicated because, on the next day, their partners will solve those quizzes by swapping their copybooks with each other.