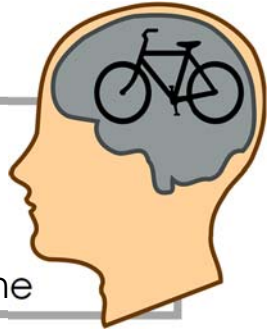Name _____

Fill-in-the-Blank Explanations: What is AI?

Directions - Read the passage below. Fill in each blank with the correct word from the **Word Bank**.

Word Bank

images • learn • natural • feelings • human • AI

• recommendation • data • patterns • think • machine

Artificial Intelligence, or **(1)** _____, is when computers are designed to do tasks that normally need human intelligence. Unlike simple computer programs that only follow step-by-step rules, AI can **(2)** _____ from examples and improve over time.

One branch of AI is called **(3)** _____ **learning**, where computers study lots of **(4)** _____ to find useful **(5)** _____. For example, an AI might look at thousands of photos of animals and learn to tell cats and dogs apart.

Another important area is **(6)** _____ **language processing**, which helps AI understand and respond to **(7)** _____ language. This is how voice assistants, like Siri or Alexa, can answer questions.

AI also powers **(8)** _____ **systems** that suggest movies, songs, or products based on what people liked before. In healthcare, AI can study medical **(9)** _____ to help doctors find diseases more quickly.

Even though AI is powerful, it cannot truly **(10)** _____ or have **(11)** _____. It simply follows patterns and instructions created by people.