

Name \_\_\_\_\_

## Loop Vocabulary Cloze - The Language of AI Learning Answer Key

### Vocabulary Cloze

**Word Bank:** *Input, Output, Feedback, Training Data, Iteration, Retraining*

Artificial Intelligence learns step by step. First, it receives an **Input**, such as a picture or a question. Then, the AI produces an **Output**, which may or may not be correct. If the answer is wrong, a person provides **Feedback** to show the AI its mistake. Over time, the AI collects many examples, called **Training Data**, that help it get better at solving problems. Each time the AI goes through the cycle of learning, it completes one **Iteration**. Finally, with corrections added, the AI goes through **Retraining** so it improves in the future.

1. A person uploads a photo of a dog. This is the AI's **Input**.
2. The AI says: "That's a cat." This is the AI's **Output**.
3. The person corrects it by saying: "No, that's a dog." This is the **Feedback**.
4. The AI studies thousands of labeled images to improve. These are the **Training Data**.
5. The AI goes through the loop again and again. Each cycle is an **Iteration**.
6. After receiving corrections, the AI updates itself. This is called **Retraining**.