

Name \_\_\_\_\_

## AI Systems Side by Side - Comparing Inputs and Outputs Answer Key

**1. Which statement best describes the inputs of the two systems?**

**B. Weather forecasting uses environmental data, while translation uses human language text.**

*Explanation:* The weather AI collects data like temperature, wind, and humidity, while the translation AI takes in typed sentences.

**2. Which statement best compares the outputs of the two systems?**

**D. All of the above.**

*Explanation:* Each of A, B, and C is true: both outputs are predictions, they serve different purposes (emergencies vs. communication), and they guide different human actions.

**3. What makes the inputs of the weather system more complex than those of the translation system?**

**A. Weather systems combine data from thousands of sensors, while translation usually starts with one sentence.**

*Explanation:* The weather system collects a huge amount of diverse, real-world data, while translation often starts with just one piece of text.