

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Answer Key: Blast Basic Bot Brains: First Grade AI Analysis

Can a computer think like a student? High-level evaluation scenarios for young learners to use as a challenging morning work or science inquiry station.

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**1. If you show a robot 100 pictures of cats, but then show it a picture of a tiger, why might the robot think the tiger is a cat?**

**Answer:** C) The robot only learned from what it saw before.

AI learns by looking at patterns in data; if it only sees cats, it will try to match new animals to what it already knows.

**2. True or False: If an AI tool makes a mistake, it is because the person who taught it gave it bad information or not enough examples.**

**Answer:** A) True

AI doesn't have its own feelings; it only knows what humans teach it through data and rules.

**3. To help a computer recognize a 'Healthy Snack,' the best \_\_\_\_ to give it would be photos of apples, carrots, and bananas.**

**Answer:** B) Data

Data is the information (like pictures) that we give to an AI so it can learn to identify things.

**4. Imagine a robot that sorts recycling. If someone puts a dirty pizza box in the bin, how does the robot decide what to do?**

**Answer:** C) It compares the box to pictures it was taught.

AI uses image recognition to compare what it sees now to the patterns it learned during its training.

**5. A human can feel happy or sad, but an AI is just a \_\_\_\_ that follows instructions very quickly.**

**Answer:** C) Machine

AI is a tool or machine; it lacks human emotions and consciousness.

**6. Which of these tasks is the MOST difficult for an AI to do because it requires real human feelings?**

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**Answer:** B) Knowing if a story is funny or sad

AI is great at data and math, but it struggles with human emotions like humor and empathy.

**7. True or False: A smart speaker hears your voice and turns it into code so it can find the right answer.**

**Answer:** A) True

Speech recognition AI changes the sounds of our voices into digital information the computer can process.

**8. When a computer program gets better at a game the more it plays, we call this 'Machine \_\_\_\_.'**

**Answer:** B) Learning

Machine learning is the process where computers improve their performance as they get more experience and data.

**9. If you want an AI to draw a 'Super Hero,' what must you give the computer first?**

**Answer:** C) Examples of other hero drawings

Generative AI creates new things by looking at thousands of examples humans have already made.

**10. True or False: Scientists use AI to help find new medicines because the AI can look through information much faster than a person can.**

**Answer:** A) True

Speed is one of AI's biggest strengths; it can scan millions of data points in seconds.