Name: _____ **Date:** _____

Answer Key: Sparky’s Silver Circuit Hunt: 1st Grade AI Quiz

Young learners identify how smart machines use patterns and sensors to help us at home and in the classroom.

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1. Imagine a robot that sorts colorful socks. How does the robot know which socks go together?

Answer: B) By looking for patterns in colors

AI uses machine learning to find patterns, like matching the same colors together.

2. True or False: A computer can learn how to play a new game.

Answer: A) True

Computers use AI to practice games and get better over time, just like you do!

3. A smart tablet that moves to your voice is using its _____ to hear you.

Answer: C) Microphone

AI systems use microphones as sensors to 'hear' and understand what people say.

4. Which of these is a 'smart' machine that uses AI to help at home?

Answer: B) A vacuum that moves by itself

Robot vacuums use AI to find their way around furniture without hitting things.

5. True or False: Robots have a real brain exactly like a human person.

Answer: B) False

Robots use computer chips and code to think, not a soft human brain.

6. When a computer looks at a picture of a dog and says 'Dog!', it is recognizing a _____.

Answer: C) Shape

AI learns to recognize shapes and features to tell the difference between animals.

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7. What does a computer need to look at many times to learn what a cat looks like?

Answer: A) Photos of cats

AI needs to see many examples (data) to learn how to identify something correctly.

8. If you tell a smart speaker to play music, it must _____ to your words.

Answer: B) Listen

Listening to commands is the first step for many AI tools used in our homes.

9. True or False: AI can help doctors find out why someone feels sick.

Answer: A) True

Doctors use smart AI tools to look at body scans and help people get healthy.

10. How does a smart car know when to stop?

Answer: B) It uses a camera to see a red light

AI uses cameras as 'eyes' to see traffic lights and keep people safe.