

Name _____

The Safety Challenge of Autonomous Vehicles

Multiple Choice Questions

1. What is one advantage of the sensors and cameras in autonomous vehicles?
 - a) They can play music.
 - b) They can detect objects and pedestrians.
 - c) They can make phone calls.
 - d) They can cook meals.

2. What is the purpose of the decision-making algorithms in autonomous vehicles?
 - a) To prioritize speed over safety.
 - b) To process data from sensors and make driving decisions.
 - c) To make the vehicle look cool.
 - d) To control the vehicle's air conditioning.

3. Why do autonomous vehicles undergo rigorous testing and safety protocols?
 - a) To break the vehicles.
 - b) To ensure their safety in all conditions.
 - c) To make them faster.
 - d) To test their horn.

4. What is the term for the feature that allows a human driver to take control of an autonomous vehicle if needed?
 - a) Human takeover
 - b) Autonomous mode
 - c) Self-driving switch
 - d) Remote control

5. What role do government agencies play in the development of autonomous vehicles?
 - a) They make autonomous vehicles.
 - b) They collaborate with industry experts to create rules and guidelines.
 - c) They develop decision-making algorithms.
 - d) They test the vehicles.

