

Name _____

Inside the Brain of an Autonomous Vehicle

Multiple Choice Questions

1. What is the function of radar in an autonomous vehicle?
 - a) It creates detailed maps of the environment.
 - b) It sends out radio waves and detects objects.
 - c) It processes data and makes decisions.
 - d) It provides GPS navigation.

2. What technology uses laser beams to create a 3D map of the environment for autonomous vehicles?
 - a) GPS
 - b) Sensors
 - c) Radar
 - d) LiDAR

3. What are the onboard computers of an autonomous vehicle often referred to as?
 - a) Drivers
 - b) Sensors
 - c) Brains
 - d) Navigators

4. How do autonomous vehicles communicate with other vehicles and traffic management systems?
 - a) Through radar signals
 - b) By sending smoke signals
 - c) Using the internet and connectivity
 - d) By honking their horns

5. What role do complex algorithms play in autonomous vehicles?
 - a) They create detailed maps of the environment.
 - b) They operate the sensors and cameras.
 - c) They make driving decisions based on data.
 - d) They provide internet connectivity.

