

Name \_\_\_\_\_

## How Do Autonomous Vehicles Navigate and Sense Their Surroundings?

### Short Answer Key

1. Lidar
2. GPS technology provides the vehicle's exact location on Earth's surface.
3. Cameras help autonomous vehicles recognize traffic signs and pedestrians.
4. Machine learning and artificial intelligence analyze data for real-time decision-making.
5. Redundancy and backup systems are essential to ensure safety in case of system failures.

