

Article-Based Observation on Self-Driving Cars

Directions: After reading the article "[The future of cars](#)," answer these questions:

1. Though cars are not organisms with nervous systems, autonomous cars need to adapt and react to their environment. What are the basic goals of a self-driving car's sensory system? How do autonomous cars navigate their surroundings?
2. What are some factors that limit self-driving cars' abilities to respond to unexpected situations?
3. How does Chris Janssen's work as a cognitive scientist further research into self-driving cars? What is a possible hypothesis he could develop and study?
4. What ethical and social dilemmas must be considered in the design of the autonomous car? What basic tenet of human behavior did Iyad Rahwan mention as a potential obstacle?
5. Cybersecurity and hacking are a general concern in our interconnected, digital world. How might these threats affect the self-driving car, as described in the article?