

Name \_\_\_\_\_

## Eco-Friendly Explorers: Are Autonomous Vehicles Kind to the Environment?

### Short Answer Key

1. Answer: Autonomous vehicles can reduce traffic congestion by communicating with each other to avoid traffic jams and optimizing driving patterns. They can also reduce emissions by using electric or hybrid power sources.
2. Answer: One factor that can offset the environmental benefits is the energy consumption required by the advanced technology in autonomous vehicles.
3. Answer: The transition period is a concern because a mix of autonomous and human-driven cars on the road might not maximize the environmental benefits. Human-driven cars can disrupt the optimized traffic flow and emissions reductions that autonomous vehicles aim to achieve.
4. Answer: One action that can help maximize the environmental benefits is promoting electric or hybrid autonomous vehicles, which produce fewer emissions.

