

Name:

Date:

# FUN FACTS

## AI IN TRANSPORTATION

Read the tips below and determine whether the sentences are true or false.



Artificial Intelligence (AI) is revolutionizing the transportation industry, making travel safer, more efficient, and increasingly innovative. Here are some fascinating facts about AI in transportation:

- Autonomous vehicles, powered by AI, can navigate without human intervention. Companies like Tesla and Waymo are at the forefront, with self-driving cars that use AI to make real-time decisions.
- AI systems can analyze traffic patterns and adjust traffic signals dynamically to reduce congestion.
- AI helps predict when vehicles will need maintenance, preventing breakdowns before they happen. Sensors collect data, and AI algorithms analyze it to forecast potential issues.
- AI-powered navigation apps like Google Maps and Waze use real-time data to suggest the fastest and most efficient routes, saving time and fuel.
- AI is improving public transport systems by predicting passenger numbers and optimizing schedules.
- Companies like Uber and Lyft use AI to match riders with drivers, predict demand, and set dynamic pricing to balance supply and demand.
- AI is also being used in drones for delivery services.
- AI is helping develop smart roads and bridges that can monitor their own condition and alert authorities to any issues, ensuring timely maintenance and repairs.

AI is not just a futuristic concept but an integral part of our current transportation systems, continually evolving to make travel safer, more efficient, and more accessible.

- |                                                                            |      |       |
|----------------------------------------------------------------------------|------|-------|
| 1. Autonomous vehicles need human intervention.                            | True | False |
| 2. Google Maps and Waze are examples of AI-powered navigation apps         | True | False |
| 3. Sensors collect data, and AI algorithms analyze it to forecast issues.  | True | False |
| 4. AI systems can adjust traffic signals dynamically to reduce congestion. | True | False |
| 5. AI cannot be used to improve public transport systems.                  | True | False |
| 6. AI is a mere futuristic concept in transportation.                      | True | False |