

Name: _____

Date: _____



AI in Transportation



AI is used in public transportation to manage schedules and routes. It can predict the number of passengers and adjust the frequency of buses or trains to meet demand. AI also helps in maintaining vehicles by predicting when they need repairs.

experience

traffic

historical

optimize

schedule

real-time

AI

software

sensors

arrive

route

waiting

LiDAR

data

passengers

reducing

repairs

efficient

Fill in the blanks:

N/B: Some words in the bank can be used in more than one sentence.

- 1 Public transportation systems using AI can become more _____ and reliable.
- 2 AI predicts when vehicles need _____.
- 3 AI can predict the number of _____ and adjust the frequency of buses or trains.
- 4 By analyzing _____ data, AI can optimize the routes and schedules.
- 5 AI systems help in reducing _____ times for passengers.
- 6 AI can also enhance passenger _____ by providing real-time updates.
- 7 _____ data from past trips is used by AI to make accurate predictions.
- 8 AI helps in _____ cost by scheduling timely maintenance.
- 9 Using _____, we can _____ the bus _____ to reduce delays and improve service.
- 10 _____ helps make public transportation more _____ by analyzing _____ on traffic patterns and passenger numbers.
- 11 High _____ levels can cause delays in the bus _____.
- 12 AI can predict when shipments will _____.
- 13 Self-driving cars use _____ to detect objects around them.
- 14 _____ helps the car see in 3D.
- 15 The car's _____ makes decisions based on the data it receives.