Self-Driving Cars

Read the paragraph about self-driving cars and predict the meanings of the the underlined words. Then look up the definitions in the dictionary to see how accurate your predictions were. After that, practice using your vocabulary words by answering the questions given.

Self-driving cars, also known as (1) <u>autonomous</u> vehicles, represent a groundbreaking advancement in the field of transportation. These vehicles utilize a combination of cutting-edge technologies such as (2) <u>artificial</u> intelligence, sensors, radar, and cameras to navigate and operate on roads without human intervention. The promise of self-driving cars lies in their potential to revolutionize mobility by enhancing safety, reducing traffic (3) <u>congestion</u>, and improving fuel efficiency. They have the potential to make transportation more (4) <u>accessible</u> for individuals with disabilities and the elderly, while also fundamentally reshaping the urban landscape by reducing the need for parking spaces. However, challenges related to safety, regulatory frameworks, and public acceptance must be addressed before self-driving cars can become a (5) <u>ubiquitous</u> and trusted mode of transportation. As technology continues to advance and these hurdles are overcome, self-driving cars hold the promise of transforming the way we move from one place to another, ushering in a new era of (6) <u>convenience</u> and efficiency on our roads.

1) Predict the meaning of "autonomous"

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Write the actual definition of "autonomous."

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What is one way schools can improve student autonomy? (Write 4 sentences or more)

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2) Predict the meaning of "artificial."

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Write the actual definition of "artificial"

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What are some of your ideas on artificial intelligence? (Write 4 sentences or more)

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3) Predict the meaning of "congestion."

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Write the actual definition of "congestion."

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Is traffic congestion a problem where you live? (Write 4 sentences or more)

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4) Predict the meaning of "accessible."

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Write the actual definition of "accessible."

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Is public transportation easily accessible where you live? (Write 4 sentences or more)

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5) Predict the meaning of "ubiquitous"

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Write the actual definition of "ubiquitous"

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What is something at your school that you would consider to be ubiquitous (Write 4 sentences or more).

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6) Predict the meaning of "convenience."

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Write the actual definition of "convenience."

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What is your favorite modern convenience?

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Reread the original paragraph and write a 20-word summary.

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The End