



The overview of vehicle systems



I. Answer the Questions!

1. What is the main job of a car's body?	<ul style="list-style-type: none"> A. To hold the engine and wheels B. To provide space for the driver and passengers C. To control the car's speed and direction D. To keep the car's interior clean
2. Which type of car has a separate frame and body?	<ul style="list-style-type: none"> A. Sedans B. Minivans C. SUVs D. Hatchbacks
3. What does a car's engine do?	<ul style="list-style-type: none"> A. It makes the car move forward B. It turns the car's wheels C. It controls the car's brakes D. It powers the car's lights
4. What is the purpose of a car's transmission?	<ul style="list-style-type: none"> A. To change the car's direction B. To control the car's speed C. To connect the engine to the wheels D. To keep the car's tires inflated
5. How does a manual transmission differ from an automatic transmission?	<ul style="list-style-type: none"> A. Manual transmissions are louder B. Automatic transmissions have more gears C. Manual transmissions require the driver to shift gears D. Automatic transmissions are more fuel-efficient





II. Are these statements true or false?

1. The engine is usually found at the back of the car.	True	False
2. The body of the car provides space for passengers and cargo.	True	False
3. A manual transmission does not require the driver to change gears.	True	False
4. Most modern cars use a unibody construction.	True	False
5. The powertrain includes the engine and the transmission system.	True	False

III. Reconstruct the words.

- The major systems included in a vehicle are the Body and Frame, the en_____, the tr_____, sus_____ systems, whe_____ and ti_____, con_____ systems, el_____ systems, the engine sup_____ systems, and the climatic equ_____.
- The four strokes of an internal combustion engine's operating cycle are in_____, com_____, po_____, and exh_____.
- The main components of a front-wheel drive man_____ transmission are the cl_____, manual ge_____, final drive, differential, and axle sha_____.
- In a fr_____ -wheel drive transmission, the fi_____ drive and dif_____ are contained within the same housing as the gearb_____, while in a r_____ -wheel drive transmission, the final drive and differential are located on the drive ax_____ outside the gearbox hou_____.





IV. Answer the questions.

1. What are the two main types of car frame construction?

2. What is the most commonly used engine type in automobiles?

3. What is the additional component found in all-wheel drive transmission systems?

V. Do you know any new technologies in automotive systems?

Write 5-10 sentences about them.

