KEY COMPONENTS OF AN AUTOMOBILE

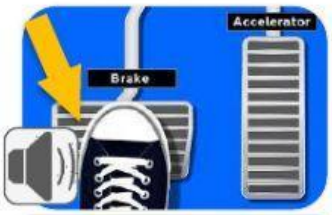


This page includes interactive exercises to help you learn about main components of an automobile and describe their functions. You will also improve your reading and listening skills

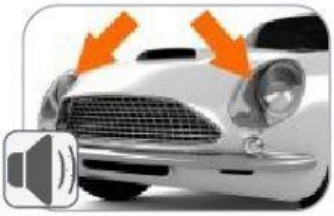
EXERCISE 1

Listen and write.



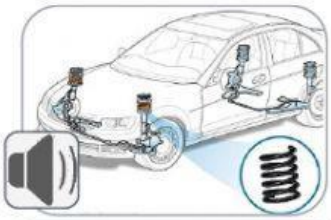














EXERCISE 2

Read the text and do the exercise below.

Key components of an automobile

The automobile is made up of three basic parts: the power plant, or engine, the chassis and the body.

Engine

The engine is the source of power that makes the car wheels rotate and the car move. Obviously, it is a very important part of the automobile because without it the automobile cannot move at all. The engine nowadays is an internal combustion engine. The main systems of engine are the electric, fuel, cooling and lubricating systems.

Chassis

The chassis consists of a power train, or transmission, and a frame with axles, wheels and springs. The chassis includes the brake and steering systems. The transmission carries the power from the engine to the car wheels and consists of the clutch, gearbox, differential, and a final drive.

Body

The body of a car is designed to contain and protect the engine and accessories, as well as the passengers. It is made of a sheet of metal or fibre glass. The body has a hood, fenders and accessories: the heater, lights, radio, windshield wiper and so on. The body should fulfill certain requirements: it should be light weight, have along fatigue life, have



Fig.1 Engine and its components



Fig.2 Chassis

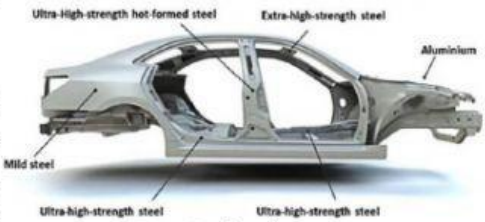
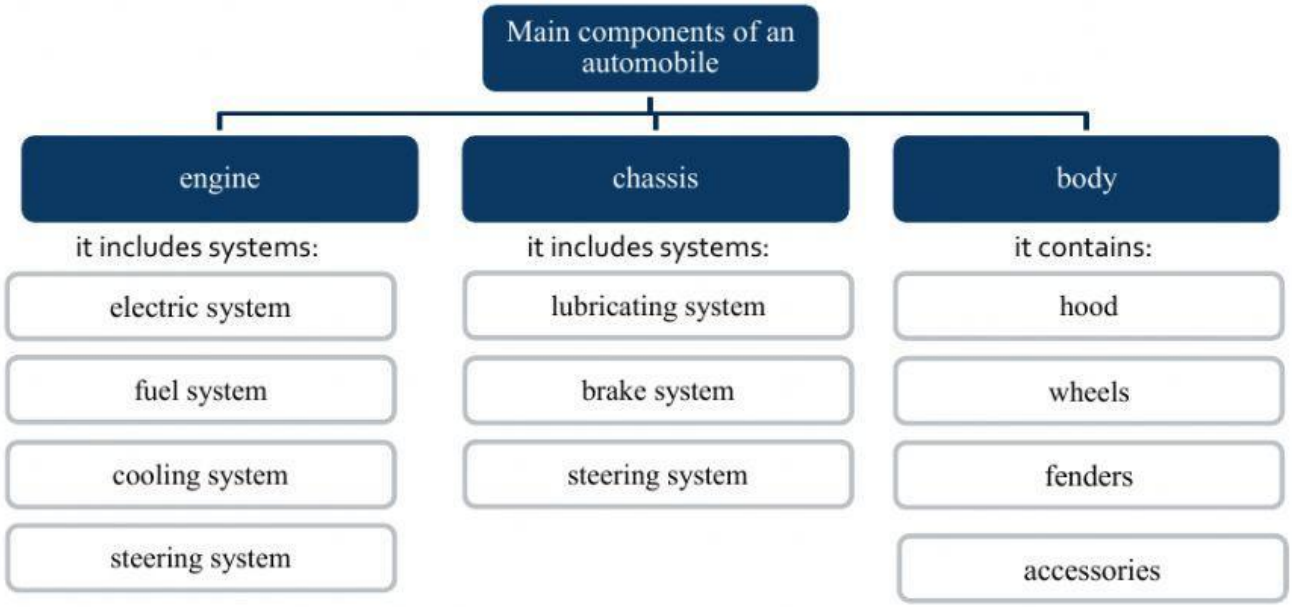


Fig.3 Body of a car

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minimum resistance to air, provide sufficient space for passengers and luggage, as well as have an attractive shape and colour.

Look at the scheme and choose the odd one out in each group.



EXERCISE 3

Fill in the blanks.

1. Automobile body is made of _____.
   a) sheet metal or fibre glass
   b) iron
   c) copper
2. Engine is the source of power that makes the car move.
   a) True
   b) False
3. Most engines today are _____.
   a) steam-driven engines
   b) internal combustion engines
   c) external combustion engines
4. Power train is another term for _____.
   a) transmission
   b) chassis
   c) clutch
5. The transmission carries the power from the engine to the car wheels.
   a) True
   b) False
6. Automobile body should fulfill which of the following requirements?
   a) The body should be light.
   b) It should have a long fatigue life.
   c) Both a) and b)
   d) None of the above

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