

EXTERNAL AND INTERNAL TYPE OF THE CAR

(ВНЕШНИЙ И ВНУТРЕННИЙ ВИД
АВТОМОБИЛЯ)

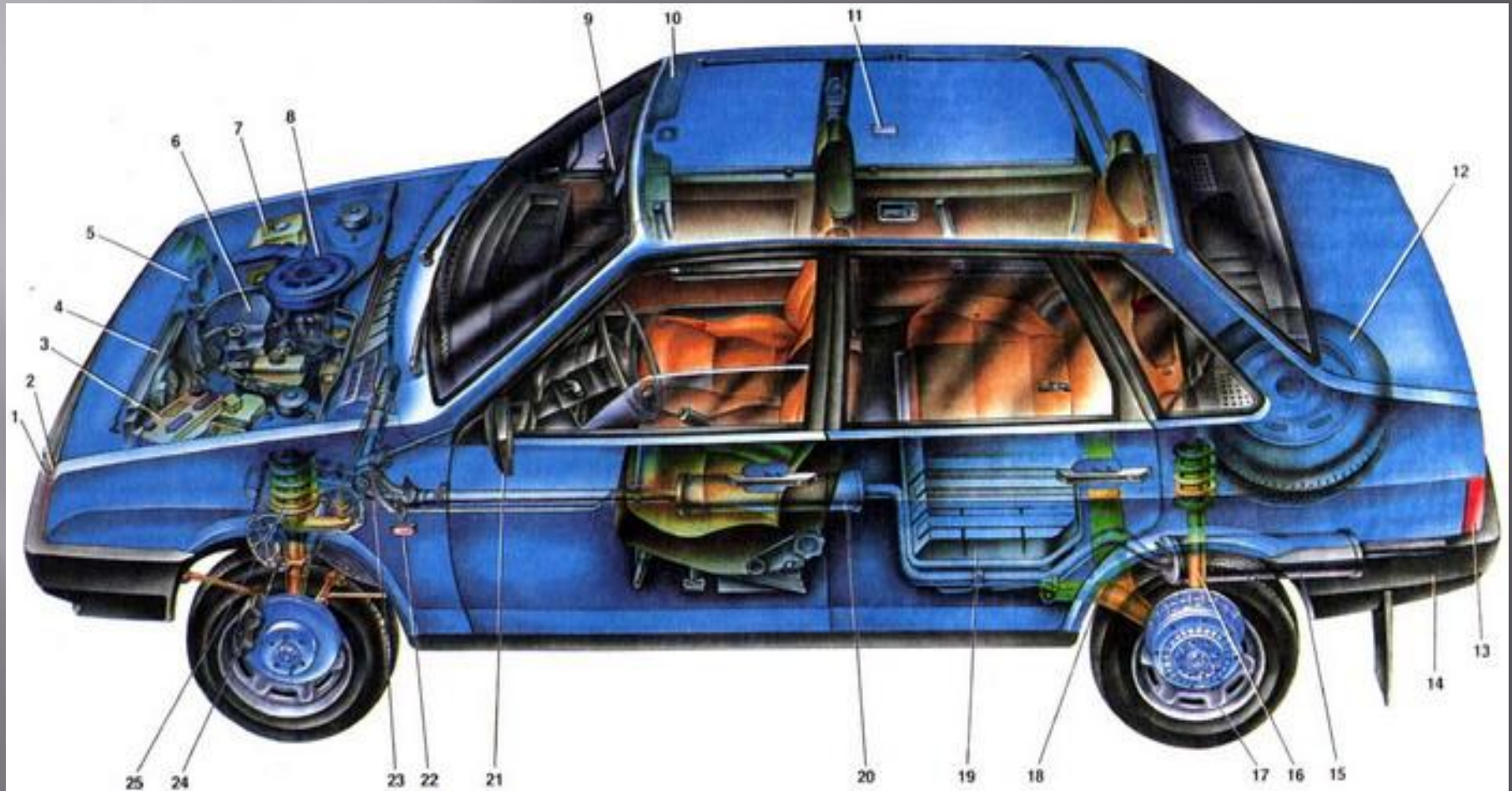
exterior of the car (внешний вид автомобиля)



internal type of the car
(внутренний вид автомобиля)



components of the car (устройство автомобиля)



Listen and repeat these words after the teacher.try
to remember Russian equivalents for them

Axle shafts-полуоси

Body-кузов

Brakes-тормоза

Chassis-шасси

Clutch-сцепление

Cooling-охлаждение

Engine-двигатель

Final drive-главная передача

Frame with axles-рама с осями

Fuel-топливо

Gearbox-коробка передач

Heater- отопитель

Hood-капот

Lubricating-смазка

Power train-силовая передача

Propeller shaft-карданный вал

Rear axle-задний мост

Running gear-ходовая часть

Source of power-источник энергии

Spring-рессора

Steering system-рулевая система

Unit-узел, блок, агрегат

Wheel-колесо

Windshield-стеклоочиститель

Find Russian equivalents in the second column for English terms in the first column

1	Power plant	1.	Сцепление
2	Chassis	2.	Силовая передача
3	Body	3.	Главная передача
4	Power train	4.	Колесо
5	Running gear	5.	Рулевое колесо
6	Steering wheel	6.	Капот
7	Brake	7.	Передняя ось
8	Clutch	8.	Ходовая часть
9	Gearbox	9.	Топливная система
10	Propeller shaft	10.	Стеклоочиститель
11	Final drive	11.	Коробка передач
12	rear axle	12.	Система смазки
13	Front axle	13.	Силовая установка
14	Frame	14.	Тормоз
15	Wheel	15.	Рессора
16	Spring	16.	Шасси
17	Hood	17.	Карданный вал
18	Fender	18.	Коленчатый вал
19	Windshield wiper	19.	Источник энергии
20	Fuel system	20.	Система охлаждения
21	Cooling system	21.	Крыло
22	Lubricating	22.	Кузов
23	Source of power	23.	Рама
24	Crankshaft	24.	Задняя ось

Components of the Automobile.

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

The engine is the source of power that makes the wheels rotate and the car move. It includes fuel, cooling, lubricating and electric systems. Most automobile engines have six or eight cylinders.

The chassis includes a power train (power transmission), a running gear, steering and braking systems as well.

The power train carries the power from the engine to the car wheels.

The power transmission, in turn, contains the clutch, gearbox, propeller or cardan shaft, final drive, differential, real axle shafts. The running gear consists of a frame with axles, wheels and springs.

The body has a hood, fenders and accessories: the heater, stereo tape recorder, windshield wipers, conditioner, speedometer and so on.

Answer the following questions

- 1. What main parts is the automobile made up of ?
- 2. What is the function of the engine ?
- 3. What system does the engine include ?
- 4. What does the chassis consist of ?
- 5. What units does the power transmission contain ?
- 6. What assemblies does the running gear consist of ?
- 7. What has the body ?

Choose English terms below to match the following automobile parts

a) the engine

b) the chassis

c) the body

Fuel system, axle shaft, accessories, cooling system, frame with axles, running gear, lubricating system, steering system, heater, propeller shaft, power transmission, final drive, windshield wiper, clutch, wheels and axles shafts, gearbox, electric system, differential.

Match the following mechanisms with their descriptions

1. Mechanism, which is used to stop the car
 - a) Clutch
 - b) Brakes
 - c) Gearbox
 - d) Steering system
2. Mechanism, which is used to guide the car
 - a) Clutch
 - b) Brakes
 - c) Gearbox
 - d) Steering system
3. Mechanism, which engages or disengages the engine and the car wheels
 - a) Clutch
 - b) Brakes
 - c) Gearbox
 - d) Steering system

4. Mechanism, which is used to change the speed of the car
 - a) Clutch
 - b) Windshield wiper
 - c) Gearbox
 - d) Accelerator
5. Mechanism, which is used to guide the car in one or the other directions
 - a) Propeller shaft
 - b) Brakes
 - c) Rear axle
 - d) Steering system
6. Device, which is designed to measure the speed of the car
 - a) Heater
 - b) Windscreen
 - c) Speedometer
 - d) kilometer

Finish sentences in the first column using corresponding endings in the second column

1. The automobile is made up of ...	a power transmission, running gear, steering and braking systems.
2. The power plant ...	The clutch, gearbox, propeller shafts, final drive, differential and axle shafts.
3. The engine includes ...	a hood, fenders and accessories.
4. The chassis consists of...	the engine, the chassis and the body.
5. The power transmission contains...	a frame with axles, wheels and springs.
6. The running gear consists of ...	the source of power.
7. The body has ...	fuel, cooling, electric and lubricating systems.

DIALOGUE

Components of an Automobile

Paul: Hi, Max! They say you are a good motor mechanic. Is it very difficult to repair cars?

Max: No, not very. A repairman must know everything about cars, their main parts, accessories and functioning.

P: And what are the main parts of the automobile?

M: They are:..... and

P: Oh, I know, the engine is the source of power. Is it a complicated mechanism?

M: To some extent it is. It includes ... ,...,... and ... systems.

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P: Chassis! In a car! Are you kidding? How could it be! A car is not a plane.

M: You see, a plane has the undercarriage. The chassis in a car consists of ..., .., ... and ... systems

P: It really sounds so complicated!

M: This is not all. The power transmission, in turn, comprises the,.....,,... and....

P: Oh, no, it is too difficult to remember. I can drive a car but I know only the body of an automobile, that is a hood, fenders and some accessories, such as ...,,... and so on.

M: No trouble, Paul. Should you need any repair, you are welcome. Here is my visiting card.

P: OK, Max. Thanks a lot.

M: Bye! See you.