

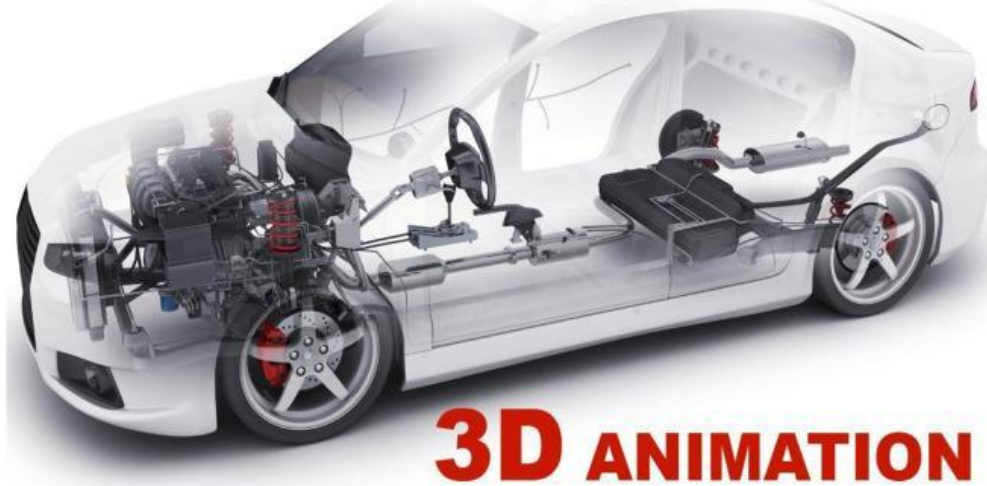
CAR ANATOMY

Pre-reading:

Task1. Find Russian equivalents in the second column for English terms in the first column.

1.power plant	a. сцепление
2.chassis	b. силовая передача
3.body	c. главная передача
4.power train	d. колеса
5.running gear	e. система рулевого управления
6.steering system	f. капот
7.brakes	g. полуоси
8.clutch	h. ходовая часть
9.gearbox	i. топливная система
10.propeller shaft	j. стеклоочистители
11.final drive	k. коробка передач
12.rear axle	l. система смазки
13.axle shafts	m. силовая установка
14.frame	n. рама
15.wheels	o. в свою очередь
16.springs	p. тормоза
17.hood	q. рессоры
18.fenders	г. также
19.windshield wipers	s. шасси
20.fuel system	t. карданный вал
21.cooling system	u. задний мост
22. lubricating system	v. источник энергии
23.source of power	w. система охлаждения
24.in turn	x. крылья
25.as well	y. кузов

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Reading and listening: Task 2. Listen, read and translate the text.

The automobile is made up of three basic parts: 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 electric, fuel, cooling and lubricating systems. Most automobile engines have six or eight cylinders.

The chassis consists of a power train, frame with axles, wheels and springs. The chassis includes brakes and steering system.

The power train carries the power from the engine to the car wheels and contains the clutch, gearbox, propeller or cardan shaft, differential and the final drive.

The clutch is a friction device connecting (or disconnecting) the engine crankshaft to the gears in the gearbox. It is used for freeing the gearbox from the engine and is controlled by the clutch pedal.

Brakes are important mechanisms of the car. They are used to slow or stop the car. Most braking systems in use today are hydraulic. They are operated by the brake pedal. When the driver pushes down on the brake pedal, they are applied and the car stops.

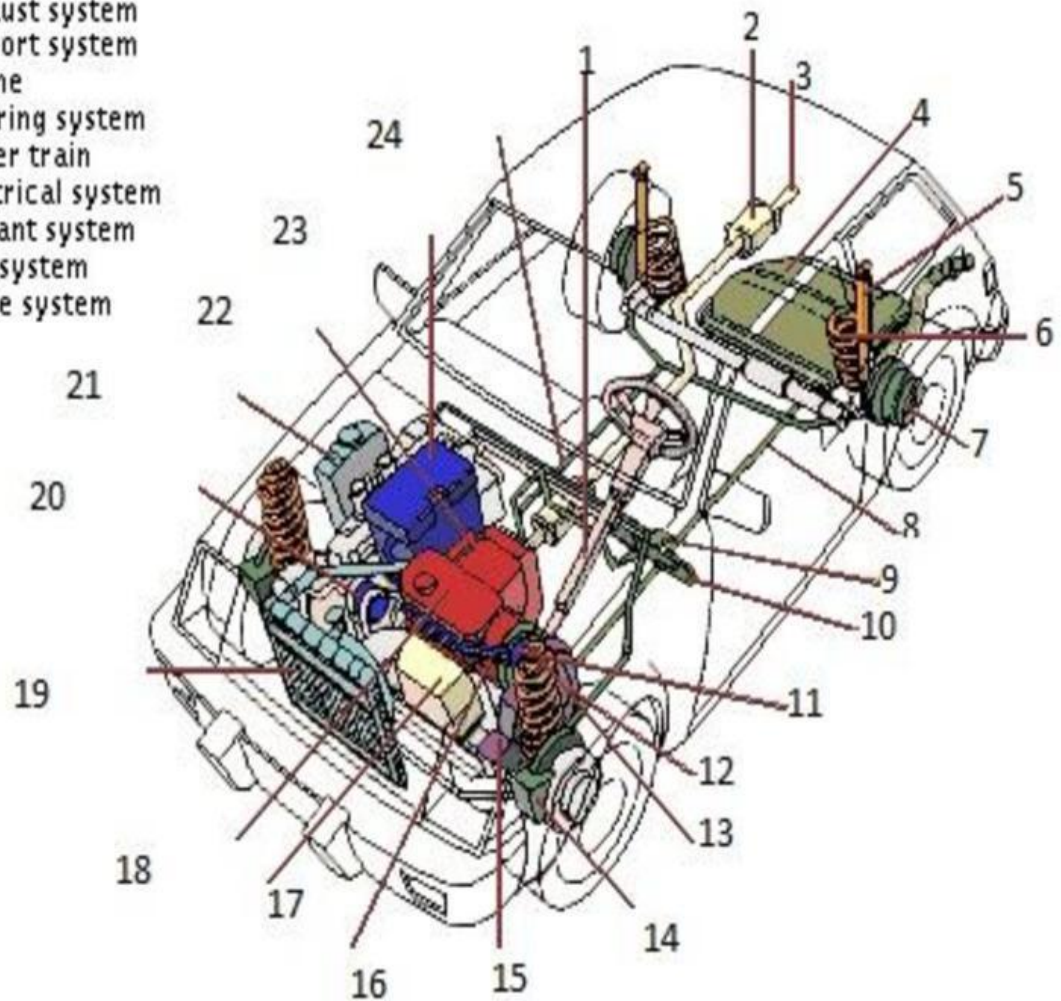
The body has a hood, fenders and accessories: the heater, stereo tape recorder, windshield wipers, conditioner, speedometer and so on.

Doing exercises Task 3. Choose the correct answer.

1. Mechanism which is used to guide the car.
a) clutch; b) brakes; c) gearbox; d) steering system.
2. Mechanism which engages or disengages the engine and the car wheels.
a) clutch; b) brakes; c) gearbox; d) steering system.
3. Mechanism which is used to stop the car.
a) clutch; b) brakes; c) gearbox; d) steering system.
4. Mechanism which is used to change the speed of the car.
a) clutch; b) brakes; c) gearbox; d) accelerator.
5. Device which is designed to measure the speed of the car.
a) heater; b) windscreen; c) speedometer; d) tachometer.
6. The main basic parts of the automobile are...
a) car wheels, springs and clutch b) the power plant, the chassis and the body
c) the power plant, gearbox and heater
7. The power plant or engine includes...
a) brakes, electric and steering systems
b) electric, fuel, cooling and lubricating systems
8. Most automobile engines have...cylinders.
a) six or eight b) one or two c) nine or ten
9. The chassis includes...
a) cooling and lubricating systems b) electric and fuel systems c) brakes and steering system
10. What is the function of the clutch?
a) Changing the speed b) freeing the engine from the gearbox

Task 4. Match car parts to the pictures.

- Exhaust system
- Support system
- Engine
- Steering system
- Power train
- Electrical system
- Coolant system
- Fuel system
- Brake system



brake line

fuel line

engine

fuel tank

alternator

exhaust manifold

drum brake

transmission

accelerator

muffler

master brake cylinder

battery

disc brake

tail pipe

brake pedal

steering wheel

spark plug wires

coolant reservoir

coil springs

intake manifold

shock absorbers

distributor

radiator

differential

