Reading 2

Skills:

- Details

Getting started: What parts of a car do you know? As a whole class, brainstorm as many parts as you can.

ASSEMBLING A CAR



First, the parts are delivered by truck or rail to the delivery area of the car assembly plant. From here, some parts are taken to the body shop, and other parts are transported to the chassis line. The parts are carried around the plant by lift trucks or conveyor belts. In the body shop, some panels are fused to the frame to form the body of the car. This is done by more than 400 robots.

Then the body is taken to the paint shop. Here it is cleaned and painted by robots. After this, the body is checked by human workers to look for faults. Next, the painted body moves along a conveyor belt to one of the assembly lines and many parts are added to it. For example, the instrument panel, the air conditioning system, the heating system and the electrical wiring are all installed here. The windscreen is inserted by robots using laser guides.

LIVEWORKSHEETS

Meanwhile, in the chassis line, components are added to the chassis. First, the chassis is turned upside down, to make the work easier. Then the fuel system, the transmission, the suspension, the exhaust system, the axles and the drive shaft are all installed. Next the chassis is turned over (rightside up), and the engine is lowered into the chassis and connected to it.

Now the chassis and the body move simultaneously to the final assembly line. Here the body is attached to the chassis, and all the final parts are added. The tires and the radiator are added here. The hoses are connected, and the radiator and air conditioner are filled with fluid. The car's central computer is also installed here. Lastly, the finished car and all electrical systems are tested. The car is filled with fuel and the engine is started for the first time. The car is put on special rollers to test the engine and the wheels. If it passes the test, the car is finally driven out of the assembly plant.

**Adapted from Longman Technical English*

Organize the following steps in order. Write numbers 1-8.

A. The tires are affixed to the chassis. _____
B. Various parts are combined to make the body. _____
C. The engine is put into the chassis. _____
D. Important parts are attached to the chassis. _____
E. The parts are sent to the company's plant. _____
F. The whole car, including the electrical components, is checked. _____
G. The air-conditioning and electrical systems are added. _____
H. The car leaves the plant. _____
I. The body is painted. _____
J. Body and chassis are put together. _____

What do you think?

If you could be the creator of any given car, which car would it be?

LIVEWORKSHEETS