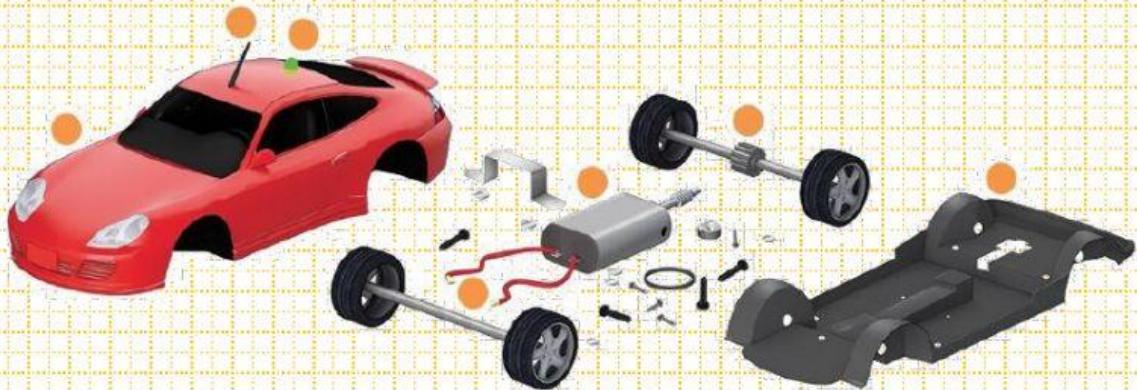


# FORCES AND MACHINES



## 1. Match the components to the correct places in the picture.

indicator      sensor      cover      motor      structure      operating part      electrical circuit



## 2. Choose the correct answers.

1. Which operating parts make up the mechanism of a bicycle?

- A Springs, brakes and pedals.
- B Gears and chain.
- C Brakes, frame and wheels.

2. Which of these bicycle components is a mechanism?

- A The wheels.
- B The handlebar.
- C The transmission.



3. What do the gears do?

- A They help to produce movement inside the machine.
- B They help the brakes work.
- C They allow changes of direction.

### 3. Match the characteristics and functions to the operating parts.

- They rotate in the same direction as the wheels they support.
- They store energy.
- They transmit movement from one wheel to another wheel.
- These are wheels with teeth.
- These transmit force and can multiply or reduce it.
- They can be smooth or they can have teeth.
- They are used in some manual machines to start movement.



wheels

axles

chains

levers

springs

gears

cranks

