

# SIMPLE MACHINES

## INCLINED PLANE AND PULLEY

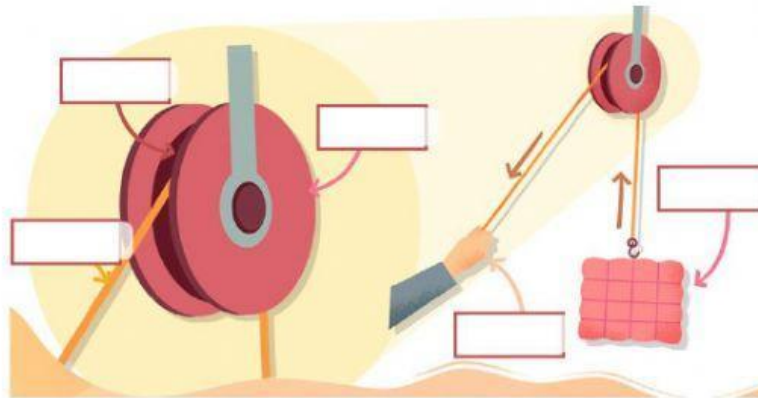
### 1. Complete the text about machines.



Machines make our lives easier because they help us to do \_\_\_\_\_. There are two main types of machines: simple and \_\_\_\_\_. Simple machines have \_\_\_\_\_ or no moving parts. Complex machines have \_\_\_\_\_ parts and contain simple machines. There are six simple machines: inclined plane, \_\_\_\_\_, pulley, wheel and axle, lever and wedge.

A load is the \_\_\_\_\_ of an object. To move a load, we have to apply effort. Effort is the amount of \_\_\_\_\_ required to move the load.

### 2. Label the diagram of a pulley.



### 3. Read the descriptions and decide whether they refer to an inclined plane, a pulley or both.

- a This simple machine consists of a wheel and a rope or cable. \_\_\_\_\_
- b When you pull one end of the rope, the other end goes up. \_\_\_\_\_
- c We use this simple machine to move heavy loads up and down. \_\_\_\_\_
- d We have to apply effort to make this simple machine work. \_\_\_\_\_
- e The smaller the incline, the easier it is to move the load up. \_\_\_\_\_
- f This simple machine has a surface which goes from a low point to a high point. \_\_\_\_\_