

SIMPLE MACHINES INCLINED PLANE AND PULLEY

1. Complete the text about machines.

weight several force
screw few complex
work

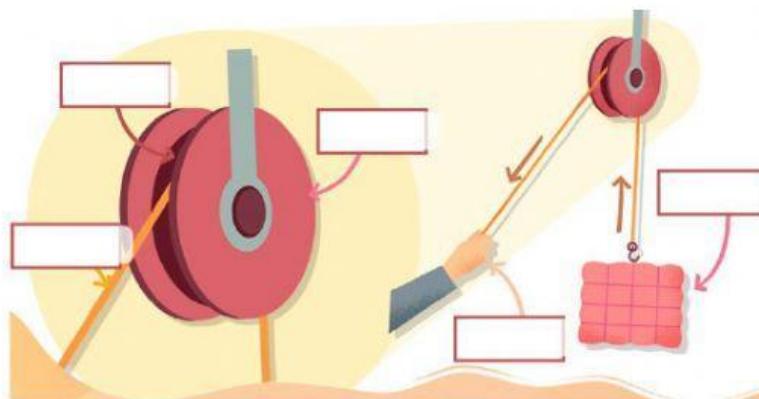


Machines make our lives easier because they help us to do [red box]. There are two main types of machines: simple and [red box]. Simple machines have [red box] or no moving parts. Complex machines have [red box] parts and contain simple machines. There are six simple machines: inclined plane, [red box],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

A load is the [red box] of an object. To move a load, we have to apply effort. Effort is the amount of [red box] required to move the load.

2. Label the diagram of a pulley.

load wheel effort rope groove



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. _____