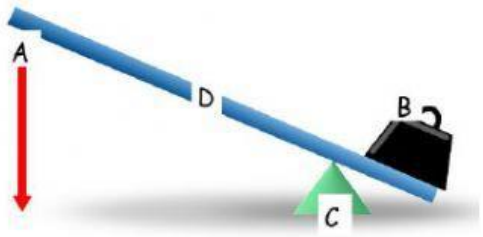
Year 4 Natural Science - Test unit 6 - Simple Machines

1. Write words in the gaps to complete the sentence

We use simple machines every day to make work ..... They do this by reducing the amount of ..... needed to do the work.

2. Choose the correct names for the parts of the lever



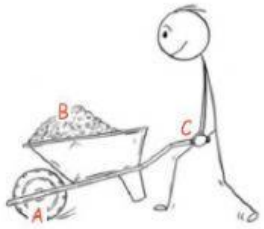
A

B

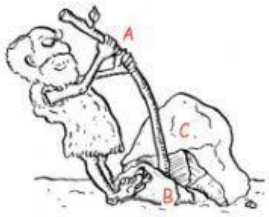
C

D

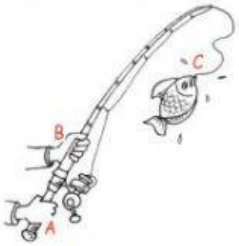
3. Write if A, B and C represent the fulcrum, load or effort:



A =
B =
C =



A =
B =
C =



A =
B =
C =



A =
B =
C =

4. Complete the information about wheels and axles and pulleys with these words:

down up groove move direction lift lower rope

A wheel and axle permits us to ..... objects about easily

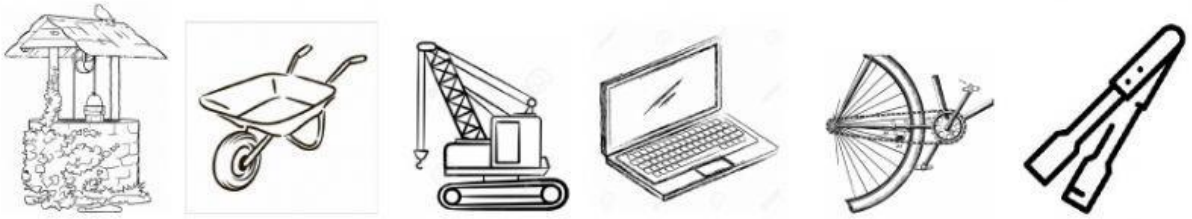
A pulley consists of a wheel and axle (the wheel has a .....) and a .....

that goes around it. It permits us to ..... and ..... heavy objects

A pulley reduces the effort needed because it changes the ..... of the force. Pulling

..... on the rope is easier than pulling .....

5. Tick the machines that use pulleys:



6. Complete the information about inclined planes

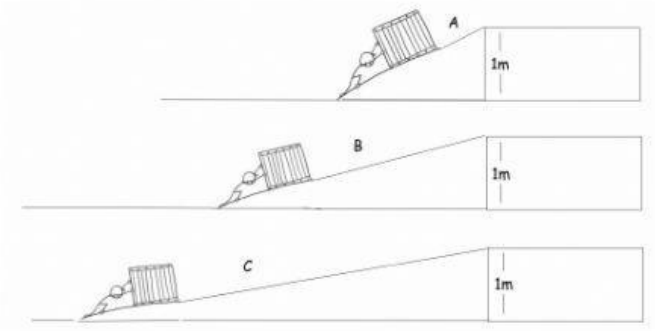
The inclined plane is the ..... of all the simple machines because it has .....

Another name for an inclined plane is a .....

We use inclined planes to .....

Inclined planes increase the ..... and decrease the .....

7. Look at the image and complete the sentences:



The ramp with the shortest distance is ramp .....

The ramp with the longest distance is ramp .....

The ramp that needs the least effort is ramp .....

8. Complete the sentences:



An inclined plane wrapped around a pole is called a ……..



Two inclined planes back to back are called a ……