



**INDIAN SCHOOL MUSCAT
MIDDLE SECTION**



Subject: Science	Worksheet No. 12
Topic: Simple Machines	STD V
Coordinating Staff : Ms. Apolonia Joseph	Date : /12/18

Name: _____ Sec. _____ Roll No. _____

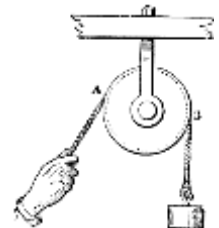
I Complete the sentences with appropriate words.

- The force applied to lift the load using a lever is called _____.
- The point at which a lever is supported is called _____.
- A wheelbarrow is a lever in which the _____ is in between the _____ and the _____.
- In the lever of the third type the _____ is in the middle.



II Mark the following statements as True or False.

- The pulley changes the direction of force. _____
- A pair of tongs is an example of third class lever. _____
- More force is needed to insert a screw into wood than a nail. _____



III Tick the correct answers.

- Which of the following is not a function of simple machines?
 - Make our work convenient
 - Enable us lift more load with less force.
 - Make our work easier
 - Enable us make the measurements correctly.



- A screw is a modified form of
 - a lever
 - an inclined plane
 - a pulley
 - a wheel

IV Identify the kind of simple machine.

- A machine in which a downward effort is used to lift the load up. _____
- A machine used to lift a heavy load using less effort. _____

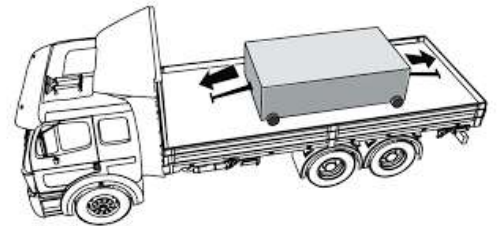
V Name the simple machine used in a :

- a. spoon _____
- b. screw jack _____

VI Give reasons. Most hospitals have ramps.

VII Look at the picture shown and answer the given questions.

- a. Name the simple machine to be used in unloading the box from the vehicle.



- b. What is the function of the machine to be used in unloading?

- c. Mention two other examples of such a machine.

1. _____ 2. _____

VIII Answer the following questions.

- 1. What is a lever? _____

- 2. A wheel is not a simple machine. What will you do to make it into a simple machine?
What is such a machine called?

- 3. Name two complicated machines that can be taken to be made up of a combination of simple machines. a. _____ b. _____

