

Answer all of the following questions in the Science exercise book.

1. What is the meaning of a simple machine? Choose the correct answers.

- A tool used to move a load.
- A tool used to lift a heavy load.
- A tool used to carry out work easily.
- A tool that allows us to use less force and makes work easier and faster.

2. Simple machines are inclined plane, , wedge, , screw, , and .

3.



P



Q



R



S

The tools above are machines. The tools and are simple machines, while tools and are complex machines.

4. The picture below shows a complex machine.

Which of the following tools use the same simple machine principles as shown in the picture?

I Knife

III Broom

A. I and II

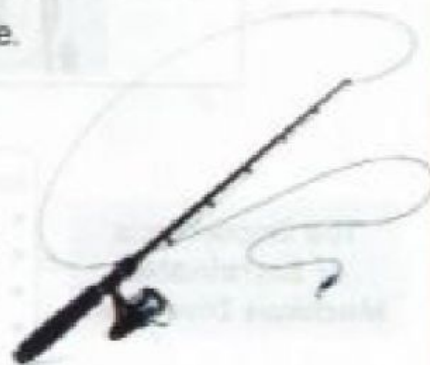
C. I and III

II Screwdriver

IV Bottle opener

B. II and III

D. II and IV



5. A worker wants to lift the big boxes to the highest shelf. Which simple machine is suitable to be used to make this work easier? Why?



6. Name the simple machines that can be found in the complex machines below.

a)



hand
drill

b)



ladder

7. The picture shows a carpenter using a hammer to remove a nail from a plank of wood.

a) State the type of simple machine shown.



b) State the position of load, force and fulcrum in the diagram below

