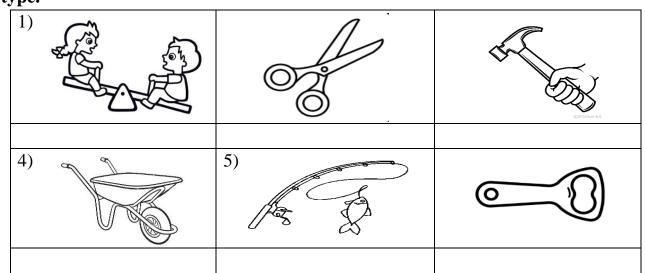
SHREE VASISHTHA VIDHYALAYA		
a tring you were long a	Science Worksheet 2024-25	ASSES
Name :		Std.:- V
Roll No :	Worksheet - PA2 -02	Date :
Chapter No.11	Simple Machines	
Q-1 Choose the correct	ct option	
1)Which of the follo	wing is a simple machine?	
a) Bicycle	b) Lever	c) Refrigerator
2)A seesaw in a play	ground is an example of which simple ma	achine?
a) Wedge	b) Pulley	c) Lever
3)A knife is an exam	pple of which type of simple machine?	
a) Pulley	b) Lever	c) Wedge
4)Which simple mac	chine is used to draw water from a well?	
a) Pulley	b) Screw	c) Wheel
5)A ramp is an exam	pple of which type of simple machine?	
a) Screw	b) Inclined plane	c) Wedge
6)What type of simp	le machine is a doorknob?	
a) Lever	b) Wheel and axle	c) Pulley
7)Which of these is 1	NOT a simple machine?	
a) Scissors	b)Car engine	c) Inclined plane
8)The fixed point are	ound which a lever moves is called the:	
a) Load	b) Effort	c) Fulcrum
9)A screw is a type of	of:	
a) Lever	b) Inclined plane	c) Wedge
10)Which simple ma	achine consists of a wheel with a rope or c	chain?
a) Screw	b) Pulley	c) Lever
Q-2 Fill in the Blanks		
1) In a	the wheel is fitted to some suppo	rt.
2) A gentle slope is a	called an	
3) An inclined plane	reduces the needed to lift an	ı object.
4) A screw is an incl	ined plane wrapped around a	
5) A wedge is used t	o or cut things apart.	
6) In a wheel and ax	le, the is attached to the whe	el to rotate it.
7) The pushing force	e used on the lever is called the	
8) A knife is a comb	ination of a lever and a	
9) Simple machines	make work by reducing the	effort needed.
	e teeth are called	
Q-3 State True or Fal		
1) A lever is a type of		

1) A lever is a type of simple machine.

2) A wheel and axle system helps in reducing the effort needed to move heavy objects.

3) A pulley is used to push of		
4) An inclined plane makes	it harder to lift heavy objects.	
5) Scissors are an example of	of a compound machine made	using levers.
6) A screw is a type of simp	le machine.	
7) A wedge is used to hold of	objects together.	
Q-4 Match the following.		
Column A	Column B	Ans:-
1. Lever	a. Fixed point (fulcrum)	1
2. Pulley	b. Used to lift objects	2
3. Inclined plane	c. Sloping surface	3
4. Wheel and axle	d. Rotating mechanism	4
5. Screw	e. Spiral inclined plane	5
6. Wedge	f. Cutting or splitting	6
7. First-class lever	g. Fulcrum in the middle	7
8. Second-class lever	h. Load in the middle	8
9. Third-class lever	i. Effort in the middle	9
10. Simple machine	j. Reduces effort force	10

Q-4 Identify the following simple machines and classify them according to their lever type.



- Q-5 Read the following two statements and choose the correct option.
- 1) Statement 1 A lever is a bar which can turn about a point called fulcrum.

Statement 2-The object that we are trying to lift is called the load.

a.Both statement 1 and 2 are correct **b**.Statement 1 is incorrect but statement 2 is correct

c.Both statement 1 and 2 are incorrect d.Statement 1 is correct but 2 is incorrect

2) Statement 1-When the load is between the fulcrum and effort, it is called the first class lever.

Statement 2-When the effort is between the fulcrum and the load ,it is called a third class lever.

a.Both statement 1 and 2 are correct
b.Statement 1 is incorrect but statement 2 is correct
c.Both statement 1 and 2 are incorrect
d.Statement 1 is correct but 2 is incorrect

3) Statement 1-A Pulley is a small wheel.

Statement 2-A slide is an inclined plane

- **a.**Both statement 1 and 2 are correct **b**.Statement 1 is incorrect but statement 2 is correct
- **c**.Both statement 1 and 2 are incorrect **d**.Statement 1 is correct but 2 is incorrect