

on.	SHREE VASISHTHA VIDHYALAYA	
Name : -	Science Worksheet 2024-25	
Roll No :-		Std.:- V -
The second secon	Worksheet - PA2 -02	Date:
Chapter No.11 Si	mple Machines	
Q-1 Choose the correct	option	
a) Bicycle	ing is a simple machine?	
- Dicycle	bot over	c) Refrigerator
a) Wedge	round is an example of which simple m	achine?
	PPIIIIA	c) Lever
a) Pulley	le of which type of simple machine?	
,, - ,	h) I ayon	c) Wedge
a) Pulley	ne is used to draw water from a well?	
, 🗸	h) Screw	c) Wheel
a) Screw	le of which type of simple machine?	
u) bolew	h h Inclined plane	c) Wedge
a) Lever	machine is a doorknob?	
	b) Wheel and axle	c) Pulley
7) Which of these is NO a) Scissors		
	b)Car engine	c) Inclined plane
a) Load	nd which a lever moves is called the:	
	b) Effort	c) Fulcrum
9)A screw is a type of:		
a) Lever	b) Inclined plane	c) Wedge
10) which simple mach	ine consists of a wheel with a rope or	chain?
a) Screw	(b) Pulley	c) Lever
Q-2 Fill in the Blanks	THE REPORT OF THE PROPERTY OF THE PARTY.	
1) in a fixed pulle	the wheel is fitted to some support	ort.
2) A gentle slope is call	led an inclined plane.	
3) An inclined plane red	duces the effort needed to lift a	n object.
4) A screw is an incline	ed plane wrapped around a rod C	4. linder or Pole.
3) A wedge is used to _	Split or cut things apart.	
6) In a wheel and axle, t	the god is attached to the who	eel to rotate it.
/) The pushing force us	ed on the lever is called the effo	tet .
8) A knife is a combinat		
9) Simple machines mal	ke work easier by reducing the	effort needed.
10) Wheels that have tee	eth are called geous	
)-3 State True or False.	0	
1) A lever is a type of si	mple machine.	T

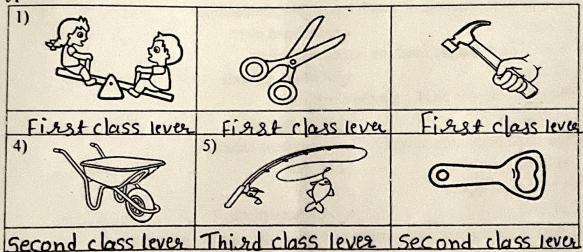
2) A wheel and axle system helps in reducing the effort needed to move heavy objects.

3) A pulley is used to push objects, not to lift them. 4) An inclined plane makes it harder to lift heavy objects. 5) Scissors are an example of a compound machine made using levers. 6) A screw is a type of simple machine. 7) A wedge is used to hold objects together. O-4 Match the following. Column A Ans:-Column B a. Fixed point (fulcrum) 1- OL 1. Lever 2. Pulley b. Used to lift objects 2- b -3. Inclined plane d Spiral inclined plane 4. Wheel and axle h d. Sloping surface 5. Screw C. e. Load in the middle 6. Wedge f. Fulcrum in the middle 7. First-class lever L g. Cutting or splitting 8. Second-class lever @ h. Rotating mechanism

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

i. Reduces effort force

i. Effort in the middle



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.

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.

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 but statement 2 is correct but statement 2 is correct.

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.

9. Third-class lever

10. Simple machine i

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