1. Answer the following questions. What is density? Write down its SI unit. i. ii. What do you know about floating and sinking? Define the following terms. iii. • Liquid pressure Gas pressure Atmospheric pressure Ans: Liquid pressure Gas pressure Atmospheric pressure What do you know about hydraulics? iv.

Class: Eight	Answer key: Forces and Pessure	e Science

٧. Differentiate between balanced and unbalanced forces.

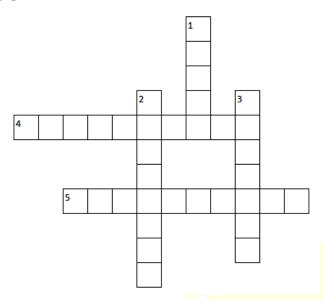
1. i.	Long answer questions. Explain the floating or sinking of objects.
ii.	How can be measure pressure?
iii.	What could a furniture maker do to reduce the pressure of the feet of a chair on the carpet?
iv.	Why do a needle used for sewing have a sharp point?



v. Why are danger thinner wall						thicker	wall at the bo	ottom a	nd
	2.	Tick the	e rig	ht c	option.				
1.	SI	unit of pr	essu	re is	s:				
I.	Pa	scal		II.	Watt	III.	Joules	IV.	Newton
2.	Th	e instrum	ent ı	used	d to measure	e at <mark>m</mark> os	p <mark>heric press</mark>	ure is:	
I.	Ну	drometer		II.	Barometer	III.	Stopwatch	IV.	Ammeter
3.	Th	e atmosp	here	ext	ends	mile	es into space		
I.	32	00		II.	4200	III.	5200	IV.	6200
4.	Th	e <mark>ra</mark> tio of	mas	s ar	nd volume is	called:			
I.	Fo	rce		II.	Pressure	III.	Density	IV.	None
5.	Th	e density	of w	ater	· is:				
l.	10	00		II.	1.3	III.	920	IV.	7900

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3. Crosswords



Across Down

- 4. Ocean of air
- 5. Transmit forces in liquid

- 1. Push or pull
- 2. Upward force
- 3. Mass by volume

4. Words Search

Find the following word in the words search.

Volume	Density	Liquid	Pressure	Float
Volumo	Donoity	Liquid	1 1000010	rioat

S	F	Α	T	S	Α	F	S	0	Α
М	1		Q	U	4_	D	Р	N	L
V	N	Р	Υ	Е	W	Е	Е	٧	Н
0	I	Т	Т	G	Е	Ν	Е	R	G
L	Α	Р	R	Е	S	S	U	R	Е
U	М	I	R	Е	Е	I	Α	Z	Т
М	٧	F	L	0	Α	Т	N	Р	U
Е	G	S	L	I	Υ	Υ	W	D	S
G	F	0	R	C	Е	В	R	L	Q

5. Jumbled Words

- i. INKS
- ii. MOSPHEREAT
- iii. UPRUSTHT
- iv. LPASAC
- v. FRECO

6. Columns

Match substances with their densities.

Substances		Densities (kgm ⁻³)
Iron	EZ >	920
Glass		7900
Ice		2500
Air		1000
Water		1.3

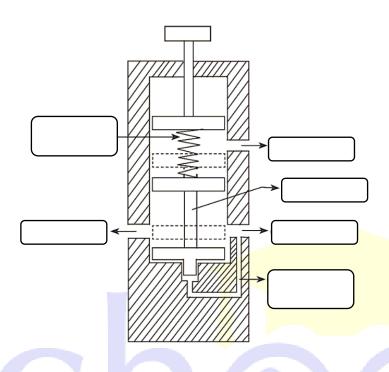
7. Fill in the blanks using the given words.

increases	greater	ocean	920	pressure

- We live in the _____ of air. Liquid pressure _____ with depth. ii. Density of ice is ______. iii. Force acting on unit area is _____ iv. An object sinks if its weight is _____ than the upthrust. 8. Write "T" for the true and "F" for the false statement. Another name for upthrust is buoyant force. Pressure at any depth in the liquid is different. ii. iii. The gas molecules are in constant motion. The unit of density is pascal. iv.
- v. Pressure is inversely proportional to area.

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9. Label the diagram.



10. Drag and Drop

Look at the pictures and write the names in the relevant column.



11. Comprehension

Answer the following questions after reading the paragraph.

The pressure exerted by liquid is called liquid pressure. The liquid pressure at a point is due to weight of the liquid above it. The liquid at lower depth has to bear the entire weight of the water above it. Pressure at any depth in a liquid is the same. Liquid pressure increases with depth. Liquid pressure acts in all directions. The upward force acting on an object when placed in the fluid is known as Upthrust. It is also known as buoyant force. Upthrust is always equal to the weight of the fluid displaced by the object.

i.	What is buoyant force?
ii.	What are the important factors of liquid pressure?
iii.	What is the reason of liquid pressure?