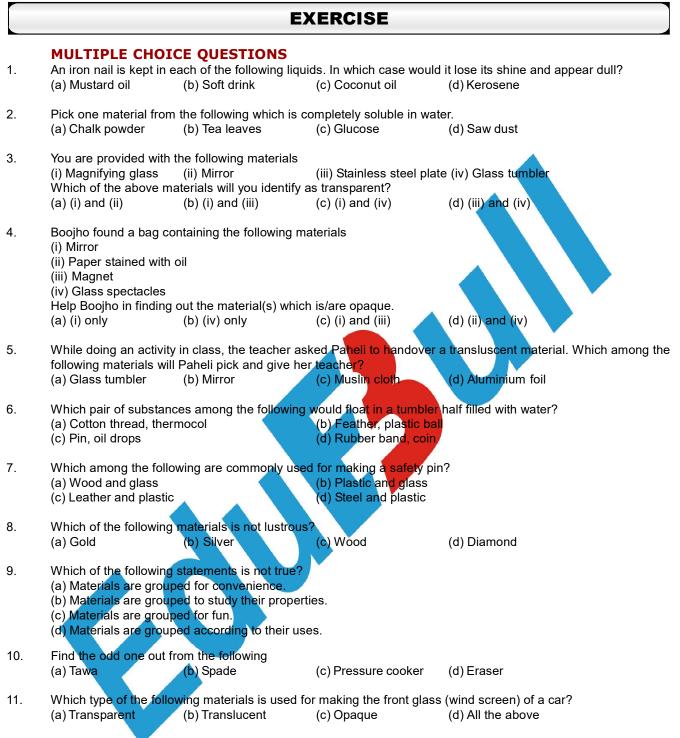
Page # 36

		EXER	CIS								
	OBJECTIVE QUE		12.			f our t	oody is	made	up of w	vater	
1.	Sorting of materials is			beca							
	(A) it makes their study(B) any pattern in the	-					irge dif boiling		ce betw	veen	
	observed (C) properties of a subst	tance can be predicted			water tances	dissol	ves a	large	numbe	r of	
	(D) All of these					tropon	oront				
2.	Which of the following	is lustrous?		. ,	water is	•					
	-	B) Diamond		. ,	water is						
	.,) Glass	13.	Whe	n vineg	ar is m	ixed wit	h wate	er, it wil	I	
3.	Which of the following			(A) f	loat		(B) s	ink			
0.	through it ?	anonys nghe to pass		(C) e	explode		(D) d	issolve	2		
	-	3) Translucent	14.	We	can see	e obie	cts thre	ough	ranspa	rent	
	.,) Opaque			tances	-					
4.	Objects which sink in w						bstance	are h	ollow		
••	(A) insoluble and heavi				-		ibstance				
	(B) insoluble and lighte										
	(C) soluble and lighter						ostances				
	(D) soluble and heavier			(D) 1	transpar	ent su	bstance	s are o	colourles	SS	
5.	Which of the following		15.	Aqua	atic orga	inisms	are able	to sur	vive in w	vater	
5.				beca	use						
	(A) Sugar (B) Salt (C) Kerosene (D) Oxygen				(A) their body is resistant to water						
6.	A substance is called ha			(B) \	water is	transp	arent				
0.			< · · ·	(C))	vater co	ontains	dissolve	ed das	es		
	(A) it is easy to scratch				all of the			sa gao			
	(B) it is difficult to scra						C				
	(C) it is shiny and opaq										
-	(D) it is insoluble in wa Metals can be identified						QUEST				
7.			1.	Why	is gold	used i	n makin	g oma	ments ?)	
		s) lustrous									
•	(C) sonorous (D) All of above			2. If a material of scratches material 'B', w						/hich	
8.	sinks in the water, whilefloats on the water.			is more hard?							
		5) Oil, petroleum									
•) Mercury, alcohol	3.	Why	do we	need to	o aroun	mater	ials?		
9.	When sand is mixed i			Why do we need to group materials?							
	settle down at the bott	om of the vessel. This		<u> </u>							
	process is known as					Give an example each of an opaque and a transparent material?					
	(A) dissolution (B			trans	sparent	mater	ial?				
10) precipitation									
10.	Wood is different from		5.	Why	does oi	l float	on wate	r?			
	(A) transparency & lustre(B) hardness & solubility(C) smoothness & solubility										
				ANSWER KEY							
									_		
	(D) hardness and lustre		1.	D	2.	A	3.	С	4.	Α	
11.	Metals lose their shine		5.	С	6.	В	7.	D	8.	С	
		b) water	9.	В	10.	D	11.	D	12.	В	
	(C) air (D) both (B) and (C)	13.	D	14.	С	15.	D			
			I								

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Page # 37



VERY SHORT ANSWER QUESTIONS

- 12. It was Paheli's birthday. Her grandmother gave her two gifts made of metals, one old dull silver spoon and a pair of lustrous gold earrings. She was surprised to see the difference in the appearance of the two metals. Can you explain the reason for this difference?
- 13. Mixtures of red chilli powder in water, butter in water, petrol in water, and honey in water were given to Radha, Sudha, Sofia and Raveena, respectively. Whose mixture is in solution form?

- 14. On a bright sunny day, Shikha was playing hide and seek with her brother. She hid herself behind a glass door. Do you think her brother will be able to locate her. If yes, why? If no, why not?
- 15. Take a small cotton ball and place it in a tumbler/bowl filled with water. Observe it for atleast 10 minutes. Will it float or sink in water and why?

SHORT ANSWER QUESTIONS

16. Which among the following materials would you identify as soft materials and why?

Ice, rubber band, leaf, eraser, pencil, pearl, a piece of wooden board, cooked rice, pulses and fresh chapati.

- 17. You are provided with the following materials— turmeric, honey, mustard oil, water, glucose, rice flour, groundnut oil. Make any three pairs of substances where one substance is soluble in the other and any three pairs of substances where one substances.
- 18. During summer holidays, a group of children collected a lump of salt, green grass, broken glass piece, a small thermocol box, pen, iron nail, glass marbles, hair, naphthalene ball, a piece of sugar candy (mishri) and tried to group them on the basis of properties given in Table 4.1 below. Help them in filling the Table.

Name of the material	Transparency (Transparent/ Translucent /Opaque)	Soluble/ Insoluble in water

- 19. Arrange the jumbled words to arrive at the appropriate names of materials and also write two uses of each. (a) milaunuim (b) tcaslpi (c) soekrnee (d) gavnier
- 20. Match the objects given in Column I with the materials given in Column II.

COLUMN I	COLUMN II
(a) Surgical Instruments	(i) Plastic
(b) Newspaper	(ii) Animal product
(c) Electrical switches	(iii) Steel
(d) Wool	(iv) Plant product

21. Pick five objects from the word box given as Fig. 4.2 which are opaque and would sink in water.

0	s	Т	P	L	Е	
A	Т	L	E	E	R	
С	0	I	N	Α	Α	
0	N	к	С	F	s	
A	Е	Е	I	w	E	
L	L	Y	L	R	R	

LONG ANSWER QUESTIONS

- 22. Chalk, iron nail, wood, aluminium, candle, cotton usually look different from each other. Give some properties by which we can prove that these materials are different.
- 23. Why do you think oxygen dissolved in water is important for the survival of aquatic animals and plants?
- 24. Differentiate among opaque, translucent and transparent materials, giving one example of each.
- 25. Sugar, salt, mustard oil, sand, sawdust, honey, chalk powder, petals of flower, soil, copper sulphate crystals, glucose, wheat flour are some substances given to Paheli. She wants to know whether these substances are soluble in water or not. Help her in identifying soluble and insoluble substances in water.

ANSV KEY ER 1. b 2. С 5. С 6. b 7. d 10. 9 8. с с d 1 1 а

12. The silver spoon an long exposure to moist air has lost its shine and appears dull where as gold does not farnish