1st Term Worksheet Subject - Chemistry

Class - VI

ivame										26 C	<u>. : </u>	
				г	Flomo		napter –	<u>2</u> and Mixture	.e1			
Check	c Point:			L	<u> Lieiliei</u>	ilis, Com	<u>ipourius</u>	and whater	<u>:21</u>			
[A]	Answe	er the fo	ollowi	ng que	stions:							[36]
	1.			•		following	element	ts:				
		Calciu	-	:		J		Aluminium	:			
		Zinc		:				Sulphur	:			
		Oxyge	n	:				Chlorine	:			
	2.			o impo	rtant d	 ifferences		n metals and	non-metals	 -		
	Ans.			,		0. 0000	, , , , , , , , , , , , , , , , , , , ,					
	3.	Write	the el	ement	s which	are repr	esented	by the followi	ing symbols	 S.		
		Fe				·		Zn	3 3			
		Cu						Mg				
		Pb						Ca				
		0						Н				
		С						N				
		S										
	4.		the f	ormula	ae of the	e compou	nds in tl	ne following c	ases:			
		a.				•		s of one atom		and one	atom o	f
			oxyg	en.								
		b.	A mo	olecule	of zinc	sulphide	consists	s of one atom	of zinc and	one ato	m of sul	phur.
		C.	A mo	olecule	of copp	er sulpha	ate consi	sts of one ato	m of copper	, one at	om of si	ulphur
			and t	four at	oms of	oxygen.						
	5.	What	does 2	2H2O r	epreser	nt?						
	Ans.											
	6.	What	does t	he forr	mula of	a substa	nce sign	ify?				
	Ans.											
[B]	Fill in	the bla	ınks:									[40]
	1.							compounds o			·	
	2.	Consti	tuent	s of mi	xtures			their p	roperties.			
	3	Consti	tuont	c of			do	no rotain thai	r proportion	•		

4.	IVITIK IS an example of	
5.	Elements and compounds are substances, while mixtures are	
	substances.	
	• .	[40]
1. Ans.	What are mixtures?	
71113.		
2.	Classify the following into mixtures and compounds:	
	Air, Water, Iron Sulphide, Ice cream, Common salt solution with water, Brass, Milk, Blood	
Ans.		
3.	State two differences between compounds and mixtures.	
Ans.		
5.	What is the need for separating the constituents of a mixture?	
Ans.		
6.	Write names of first five elements of Periodic Table along with their symbols.	
Ans.		
Fill ir	the blanks:	—— [48]
1.	Grass is separated from mint leaves by	
2.	The most convenient method to separate the broken pieces of rice from whole rice is	
3.	The method used to settle down the suspended particles in muddy water is called	
4.	To kill the bacteria in water, rays are used.	
5.	In water filters used at home, the filter candle is made from	

Keywords:					[49]
Compound:					
Element:					
	mivt				
Homogeneous					
Heterogeneou	is mix	ture:			
Mixture:					
Molecules of c	ompo	unas:			
Molecules of e	elemer	nts:			
Sieving:					
Symbol:					
Crystallizatio	 n:				
•					
Winnowing:					
•					
Distillation:					
Sedimentation	n:				
Filtration:					
Exercise:					[50-51]
[A]	Multi	iple Choice Questions	3 :		[50]
(i)	The	most abundantly occu	urring element on th	ne earth is	
	(a)	oxygen	(b)	silicon	
	(c)	aluminium	(d)	hydrogen	
(ii)	Inac	compound, elements a	are always present i	in a	
	(a)	fixed ratio	(b)	variable ratio	
	(c)	any of the two	(d)	none of these	
(iii)	A mix	xture of ammonium c	hloride and sand is	separated by	
	(a)	evaporation	(b)	decantation	
	(c)	filtration	(d)	sublimation	
(iv)	A mix	xture of alcohol and v	vater can be separat	ted by	
	(a)	filtration	(b)	separating fun	nel
	(c)	distillation	(d)	evaporation	
(v)	The	constituents of a mix	ture are present in		
	(a)	fixed ratio	(b)	any ratio	
	(c)	variable ratio	(d)	none of these	
(vi)	Frac	tional distillation is u	used to separate		
	(a)	solids from solids	(b)	solids from liqu	ıid
	(c)	liquids from liquids	s (d)	none of these	
(vii)		ng filtration, the subs		n the filter paper is	called:
	(a)	residue	(b)	filtrate	
	(c)	solution	(d)	none of these	

[B]	1.	the odd one out: Condensation, evapoi	ration, subli	mation, solidification	[50]
	2.	Gold, silver, sulphur,	copper		
	3.	Filtration, evaporation	on, loading,	crystallisation	
[C]	Fill ir	the blanks:			[50]
	1.	An element is made of	of only one k	ind of	
	2.			f atoms of the element nitr	ogen
		only.			
	3.	-	d by the con	nbination of at least eleme	nts.
	4.	•	=	obtained by and	
		crystallization.			
	5.	3	ds are separ	rated by using	
	6.	•	•	xture of wheat and peanuts by	
	7.			o separate husk from wheat.	
[D]		T for true and F for fa		·	[50]
	1.			notes one atom of that element	
	2.	3		annot be separated by applying chemical methods.	
	3.	The process of winnow	wing is used	to remove small stone particles from wheat.	
	4.	Common salt is separ	ated from i	ts solution in water by decantation	
	5.	Cream is separated fi	rom milk by	sieving	
[E]	Match	n the Column A with C	olumn B:		[51]
	1.	Element	a.	changes from solid to liquid	
	2.	Sublimation	b.	one type of atom	
	3.	Melting	C.	changes from gas to liquid	
	4.	Non-metals	d.	changes from solid to gas state	
	5.	Condensation	e.	do not allow heat and electricity to pass through	ſ
	6.	Crystallization	f.	particles are allowed to settle down slowly	
	7.	Distillation	g.	saturated solution is cooled	
	8.	Loading	h.	the liquid evaporates	
	9.	Evaporation	i.	involves condensing the vapour	
	10.	Sedimentation	j.	weighing down of solid particles by using alum	
[F]	Answ	er the following questi	ons:	[51]	
	1.	Define element.			
	Ans-				
	2.	Define condensation	and melting	J.	
	Ans-				

	y the following as 'elements' or 'compounds':
Iron,	Sodium, Washing soda, Chalk, Sulphur, Urea
Mama:	three commonly known mixtures, the components of which are useful after
separat	non.
Mhich	mothed would you use for congrating a solid substance dissolved in water?
	method would you use for separating a solid substance dissolved in water?
	method would you use for separating a solid substance dissolved in water? nponents are to be collected.
the con	nponents are to be collected.
the con	
the con	nponents are to be collected.
the con	nponents are to be collected.
the con	nponents are to be collected.
the con	nponents are to be collected.

How will you separate the following? (i) Water from mustard oil :	
(ii) Water from mustard oil :	
(ii) Water from mustard oil : (iii) Cream from milk : Describe the various steps involved in the se	
(ii) Water from mustard oil : (ii) Cream from milk : Describe the various steps involved in the se	
(ii) Water from mustard oil : (ii) Cream from milk : Describe the various steps involved in the se	
(ii) Water from mustard oil : (ii) Cream from milk : Describe the various steps involved in the se	
(ii) Water from mustard oil : (ii) Cream from milk : Describe the various steps involved in the se	
(ii) Cream from milk :	
Describe the various steps involved in the se	
Describe the various steps involved in the se	
Describe the various steps involved in the se	
Describe the various steps involved in the se	
Describe the various steps involved in the se	
Describe the various steps involved in the se	
Describe the various steps involved in the se	
Describe the various steps involved in the se	
a mixture.	paration of iodine, iron filings and salt fr

What is sublimation? Name two important sublimates.						
						