1st Term Worksheet Subject - Chemistry Class - VII

Name:	Sec. :
	<u>Chapter – 2</u> [Physical and Chemical Changes]
Check Poin	
[A]	Answer the following questions:
1.	Classify the following changes into fast and slow changes:
	Explosion of a cracker, tooth decay, growth of a plant, fading of flowers, burning of
	cooking gas, taking x-ray photograph of a body part
Ans	
2.	Classify the following changes as periodic and non-periodic changes:
۷.	Classify the following changes as periodic and non-periodic changes: Beating of human heart, flash floods, sunrise, change of seasons, happening of a train
	accident, arrival of a gale
An	<u> </u>
3.	State whether burning of a piece of newspaper is a reversible or an irreversible change?
Ans	
4.	Fruits decay after a certain period of time. Is it a desirable or undesirable change?
Ans	
F	NA/least are desirable sharpes?
5. Ans.	What are desirable changes?
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6.	Give two examples of periodic change.
Ans	

4.		Wha	t is meant by burning?			
Keyw	ords:					[36]
Desir	able ch	ange:				
Unde	sirable	chang	e:			
Slow	change):				
Irreve	ersible	change	 2:			
Perio	dic cha	nge:				
Physi	ical cha	ınge:				
Chem	nical ch	ange.				
011011	11001 011	arigo.				
Rusti	ng:					
Exer	cise:					[37-38]
	[A]	Mult	iple Choice Questions:			[37]
	(i)	In a	change, energy is			
		(a)	absorbed	(b)	evolved	
		(c)	either absorbed or evolved	(d)	none of these	
	(ii)	Char	nges involve			
		(a)	an action	(b)	a recation	
		(c)	interaction	(d)	none of these	
	(iii)	An e	xample of physical change is			
		(a)	boiling of water	(b)	boiling of an egg	
		(c)	burning of wood	(d)	making curd	
	(iv)	Occu	rrence of a solar eclipse is a			
		(a)	periodic change	(b)	non-periodic change	
		(c)	chemical change	(d)	none of these	
	(v)	Cat	ching of common cold is a			
		(a)	periodic change	(b)	non-periodic change	
		(c)	chemical change	(d)	physical change	

)		ival of a comet is			
((a)	periodic change	(b)	non-periodic change	
((c)	chemical change	(d)	physical change	
ı	Fill in	the blanks:			[37]
	1.	Formation of day and night is a		change.	
2	2.	Bursting of a cracker is a		change.	
;	3.	The glowing of a tube-light is a		change.	
4	4.	Changes in which a new substa	nce is for	med are called	
į	5.	Formation of rust on a bicycle r	im is a	change.	
(5.	Energy is in the	formation	n of curd from milk.	
١	Write	T for true and F for false statement	ents:		[38]
	1.	Cooking of rice is a physical cha	nge	_	
	2.	Germination of seeds is a physic	cal chanç	e	
,	3.	Breaking of a china (porcelain)	dish is a	chemical change	
	4.	Rusting of iron is an irreversible	e change		
	5.	Eruption of volcano is periodic c	hange		
	Melt	Formation of clouds is a fast cha fy the following changes into reve ting of wax, Falling of rain, Pullir poration of water	rsible ar	d irreversible changes:	[38]
C	Melt Eva ———————————————————————————————————	fy the following changes into reve ting of wax, Falling of rain, Pullir poration of water ate whether each of the following	rsible ar	d irreversible changes: per string, Tearing of a paper, is slow or fast; reversible or irrever	
	Melt Eva ———————————————————————————————————	fy the following changes into reve ting of wax, Falling of rain, Pullir poration of water	rsible ar	d irreversible changes: per string, Tearing of a paper, is slow or fast; reversible or irrever	
	Melt Eval	fy the following changes into reve ting of wax, Falling of rain, Pullir poration of water ate whether each of the following able or undesirable; periodic or no	rsible ar	d irreversible changes: per string, Tearing of a paper, is slow or fast; reversible or irrever	
	Melt Eval ————————————————————————————————————	fy the following changes into reveting of wax, Falling of rain, Pulling poration of water ate whether each of the following able or undesirable; periodic or no Different phases of moon	rsible ar	d irreversible changes: per string, Tearing of a paper, is slow or fast; reversible or irrever	
	Elassif Melt Eval ————————————————————————————————————	ting of wax, Falling of rain, Pullir poration of water ate whether each of the following able or undesirable; periodic or no Different phases of moon Lightning in the sky	rsible ar	d irreversible changes: per string, Tearing of a paper, is slow or fast; reversible or irrever ic and physical or chemical:	
	Elassif Melt Eval ——— Indica desira 1.	ting of wax, Falling of rain, Pulling of wax, Falling of rain, Pulling poration of water ate whether each of the following able or undesirable; periodic or not Different phases of moon Lightning in the sky Formation of biogas from cow definition of biogas from cow definition and the sky	rsible aring of ruble changes n-period	d irreversible changes: per string, Tearing of a paper, is slow or fast; reversible or irrever ac and physical or chemical:	
	Elassif Melt Eval ————————————————————————————————————	ting of wax, Falling of rain, Pullir poration of water ate whether each of the following able or undesirable; periodic or not Different phases of moon Lightning in the sky Formation of biogas from cow december of petrol in an auto	rsible aring of ruble changes n-period	d irreversible changes: per string, Tearing of a paper, is slow or fast; reversible or irrever ac and physical or chemical:	

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State five physical changes observed by you. Write important differences between physical and chemical changes. Give two examples of physical changes and two examples of chemical changes.	•	
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6. Ans-	Changes involve energy. Explain it.
7. Ans-	Burning of a candle is considered as a physical as well as chemical change. Explain.
7 11 10	
8. Ans-	What happens when water is added to quick lime? What kind of change is it?
AI 15-	

			Chapter - 3		
		<u>[EI</u>	ements, Compounds and Mix	ktures]	
Check		American the fallowin			[47]
	[A] 1.	Answer the following	•		
	1.	Define the following a. Element	terms.		
		a. Lieilieilt			
		b. Compound			
		c. Mixture			
	2.	_	g under elements, compounds a		
		a. Honey	d. Gun powder	g. Butter	
		b. Aluminium	e. Plaster of Paris	h. Common salt	
		c. Water	f. Milk		
	Ans.				
		Classify the followin	a as homogeneous and betarag	angue mivtures	
			g as homogeneous and heterog		
		_			
			+ water:		
		J. 2 25.1. GIOMIGO	~ · ·		

	e the technique that you would use to separate the following mixtures.
a -	ı. Iodine+ alcohol
b	o. Mud + Water
C	. Oil + Water
- State	the principle underlying the following techniques:
a.	Fractional distillation:
b.	Use of separating funnel
C.	Filtration
d.	Sedimentation
How	can we separate a mixture of two miscible liquids?

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	1. I Ans. ₋	How can we separate a mixture of salt and ammonium chloride?
	-	
	-	
	-	
	-	
	-	
	-	
5	5.	s the dye in black ink a single colour? Justify your answer.
A	Ans. ₋	
	-	
	-	
	-	
	-	
	-	
	-	
Keywor	ds:	[56
A	Adsorpt	ion:
(Compou	
(Chroma	itography:
ŀ	Homoge	enous mixture:
_		
	Elemen Heteroo	t:
	Mixture	
_		
Š	Sieving	
5	Symbol	:
c	Sublima	ation
	SUDIIII	ation:
[Distilla	tion:
	- -iltrati	 on:
	matr	

Exercise:		10 (1	m) chem.			[57-59]
[A]	Multi	iple Choice Questions:				[57]
(i)	The u	unit of element is				
	(a)	atom	(b)	mole	ecule	
	(c)	atom and molecule	(d)	none	e of these	
(ii)	The f	formulae of sodium chloride is				
	(a)	BaCl	(b)	NaC	:I	
	(c)	CaCl ₂	(d)	MgC		
(iii)	Whic	h of the following is a mixture?				
	(a)	water	(b)	air		
	(c)	common salt	(d)	Plas	ter of Paris	
(iv)	Whic	h of the following is compound?	•			
	(a)	milk	(b)	butt	er	
	(c)	syrup	(d)	wate	er	
(v)	Whic	h of the following is an example	e of homoge	neous	mixture?	
	(a)	oil and water	(b)	saw	dust and chalk	
	(c)	water and milk	(d)	petr	ol and water	
[B]	Fill ir	n the blanks:				[58]
	1.	Symbol of an element denote	s one		of that	
		·				
	2.	A mixture contains more tha	n one		or	
		n	nixed in any	propo	rtion.	
	3.	Properties of a compound are	different fr	om its	constituent	
		·				
	4.	A	funnel is u	sed to	separate two immiscible	9
		substances.				
	5.	A mixture of salt and ammor	ium chlorid	e may	be separated by	
		·				
[C]	Matc	h the column A with the colum	n B:			[58]
		Column A			Column B	
	1.	A molecule of an element		a.	milk	
	2.	A molecule of a compound		b.	chromatography	
	3.	A mixture		C.	camphor	
	4.	Separation of dyes in black in	nk	d.	nitrogen	
	5.	Sublimation		e.	air	
[D]	State	whether the following stateme	ents are true	e or fal	se:	[58]
	1.	Air is a compound				
	2.	The separating funnel is used	d to separat	e mixt	ure of chlorine and wate	er
	3.	The mixture of salt and amm	onium chloi	ride is	separated by sublimation	on.
	4.	———— The mixture of carbon dioxid	e and water	is a h	eterogeneous mixture	
	5.	The mixture of oil and water			•	
[E]		the following terms:	.5509011	2003 11		[58]
(-)	1.	Element:				[00]
	1,	LIGHTOHT.				

0		
2.	Compound:	
3.	Mixture	
4.	Chromatography	
5.	Sublimation	
	ver the following questions:	[58]
———	will you show that properties of mixture are different from compounds?	
	rentiate between the following:	
Elem	nent and compound :	

Mixture and compound :	
Distillation and fractional distillation:	·
Distillation and fractional distillation:	
	rogeneous mixture:
Miscible and immiscible liquid:	nal distillation:
Miscible and immiscible liquid:	
	e liquid:
	•

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State the principle underlying the following separation techniques:	
Use of separating funnel :	
Fractional distillation :	
Evaporation	
Evaporation:	
How will you show the use of more than two techniques to separate a mixture of two o	
three components? Explain with an example.	59
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What is chroma	atography? State th	ne principle and	procedure of par	er chromatogran
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Identify the giv	ren apparatus and r	name the labelle	ed parts. What k	ind of separation
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