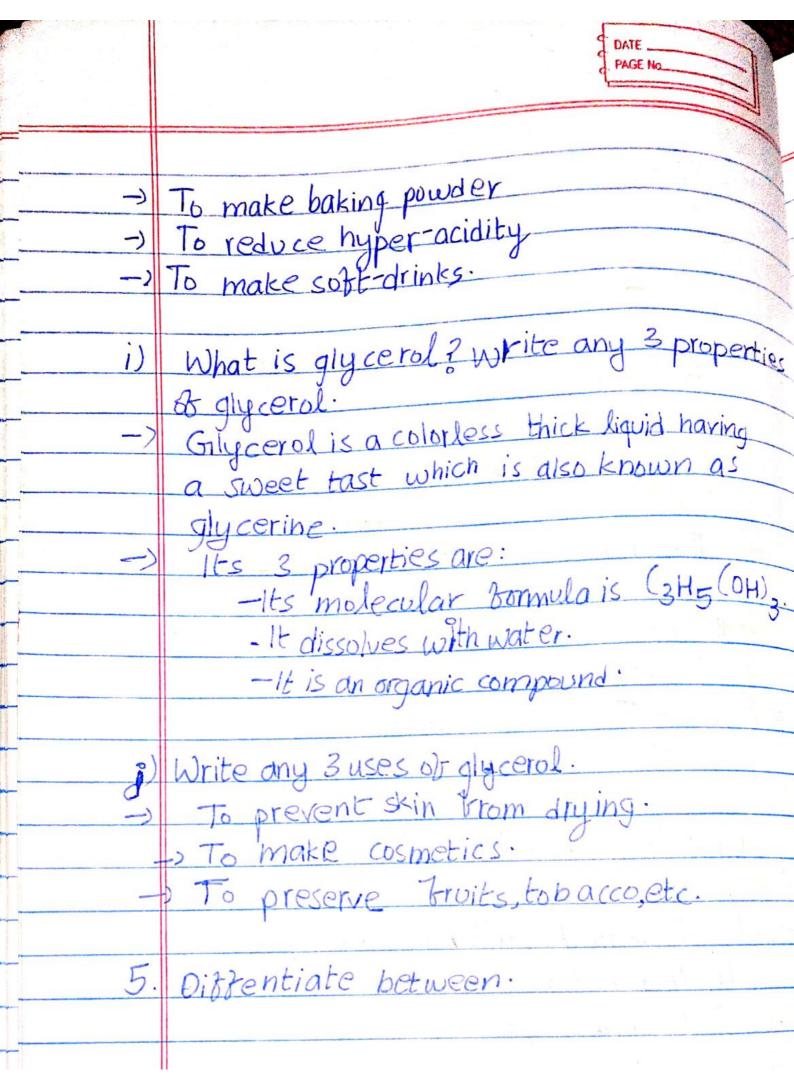
	Name: Anij Sapkota
	Class & & Grallica) DATE PAGE No.
	Earth & Spo
	Some Useful Chemicals
प ः	Answer the tollowing questions:
a	what are the trethree states of
	water?
_	> The three states ob water are
	Solid, liquid & gas.
	when the same and the same with the same and
b)	write any 3 physical properties & two chemical properties of water.
	chemical properties of water.
	Therefore it was tack in the Line of the Land
->	The three physical properties of water:
	The three physical properties of water: —It is a universal solvent
	-Pure water is transparent.
	-Pure water is bad conductor of
	electric 1ty.
ー	The two-Two chemical properties or
	waterare:
	-It is made of two parts of hydrogen
	and 1 part of oxygen.
	- It is a heutral (Honeither acidic
	nor basic substance.
BELOW	

	DATEPAGE NO
	What is meant by hardwater & Soft
	it after is the water that
	shains the edge chioride, soffice a
	Lie de Calt of Calcion & majorin
	Soft water is the water that does not
	contain chloride, sulphate and bicarbonate
	salts of Calcium & magnesium.
	Sales of which
d.	What is temporary hardness of water?
	How can we remove such hordness?
	write.
-)	The hard water which contains
	bicarbonate salts of calcium and
	magnesium is called as temporary hard
	water.
->	We can remove such hardness by
•	boiling the water and treating it
T-gam.	with lime water.
e.	What is pormanent 1 -1 -1 1 1-2
	What is permanent hardness of water?
-	Name one chemical substance that is used for to remove such hardness.
	our comments.
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-	Walter Control

	PAGE No
1)	Permanent hardness of water is the
	hardness of water obtained by the water
	hardness of water obtained by the water which has chloride and sulphate salts
	of calcium and magnesium.
	We can remove permanent bardness by
	of calcium and magnesium. We can remove permanent hardness by treating hard water with washing soda.
8.	Write down the molecular Formulas
	Suses of Sodium adulante
	The molecular formula it sodium
	carbonate is Nag Coz.
	Its uses are:
	- For making paper For making glass.
	- For making glass.
	- For making coustic soda.
9.	What chemical is used for making baking
J	powder?
9	Sodium bicarbonate and potassium
1	hydronon tartate are me in to
	hydrogen tartate are us mixed to make baking powder.
1 7	rriuse outry powder.
V-	Write any 3 uses of sodium bicarbonate.



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T PROPERTY.	** Acceptance of the contract

The first of the second
Soft water
e bicarbonate and Sulphate salts at
calcium & magnesium.
It produces lather soup easily
ter
. Sea water
It is hard water
It obes not produce lather easily.
water & permanent

		DATE PAGE NO
	1	
	Temporary Hard Water	Permanent Hard water
	If contains bicarbonate salts of calcium & magnesium	-It contains chlorides supporte salts of cariums magnesium.
	t can be removed by - builing the water. and treating with him	It can be removed by treating it with washing soda a permutit process.
d:	Sodium carbonate	and Sodium Bicarbonate
-)	Sodium Carbonate	Sodium Bicarbonate
Harman I	ormula is NazCoz.	- Its molecular Bormula is NaHCO3.
-	It is also known - as washing soda.	edible soda.
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7	part number law
6.	Prepare a list of chemicals found in temporary & permanent hard water-		
→ <u></u>	Chemicals bound in temporary Hard water are the bicarbonate salts of calcium & magnesium		
رو	Chemicals found in permanent hard water		
2	The are the obloride and the sulphate salts of calcium & magnesium	1	
		1	
	The sections of whiten white		
1 . 第 .	What can be done to gremore perm hardness of water? Expellain.		ent
	To remove the permanent hardness of water, it should be treated with sodium carbonate (washing soda). When s	2	m
			•

carbonate is added to the hard carbonate is salts present in it says water become change into carbonates and water become change into the permanent hardness of change in change hardness of soft. So, the permanent hardness of soft. So, the removed when treated water gets removed when treated with washing goda. How can you identiby hard & soft vater & Explain. We can identify that a water is hard We can identify a dittle scaptoit.

or soft by applying a dittle scap to

It, we get engous enough amount of
scap by incrapplying a little scap to

scap by incrapplying a little scap to

it. It is soft water. And, it we get

it. It is soft water applying a little

sticky particles by applying a little

sticky particles by applying a little

soap to it. Then, it is hard water.