### **SNC 1P - Chemistry Review**

# Physical and Chemical Properties & Changes Fill in the blanks below using the following words

state behaviour flammability	colour	description chemical evaporating	hardness texture physical	combustibi senses dissolving	-
1. A physical pro		of an	object. It can usual	lly be made by usin	g your
2. Examples of p	ohysical propertie	es include		and	
3. A chemical pro		the	of a substar	ice as it becomes a	a
4	and	are ex	xamples of chemica	al properties	
5. In a	change	e, the substance inv	volved stays the sar	ne.	
6. All changes of	i a	re physical change	S.		
7. Examples of p	hysical changes	include:	and		
known as a		change.	o one or more differ		
1 2 3	nat a chemical re		d.		
			nge Chemical or P		
		Chemical or Phys	sical Re	ason	
Water evaporation	ng				
Ripping paper					
Water freezing					
Dissolving Kool					
A candle burning	g				
Wax melting					
Baking a cake					

13. Is rusting, a specific example of corrosion, a physical or chemical change?

14. List 3 ways corrosion can be p	prevented?
i) ii)	)iii)
15. What material is responsible for	or the colour in fireworks?
16. Matter. Match the description	n on the right with the term on the left.
matter element	A. dense metal causing nervous system damage B. consisting of one kind of atom or molecule
compound atom	C. a mixture of metals D. salad dressing (oil and water)
heterogeneous	E. a naturally occurring compound containing metal
homogenous	F. has mass and occupies space
mixture	G_ minerals mixed in with rock
pure substance molecules	H. 2 or more elements in chemical combination I_ Kool Aid
ore	J. smallest particle of matter
heavy metal	K. Ne
mineral	L. consisting of 2 or more pure substances
alloy	M. a combination of 2 or more atoms

#### 17. Fill in the Subatomic Particles chart below

Charge	Mass	Location in the atom
	112000	
		inside nucleus
positive		
	-	112000

### 18. For Chlorine, atomic number 17;

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Draw a	Bohr	Rutherford	1)ıagram

Write in Standard Atomic Notation

19. Counting Atoms.	Name the ato	oms present a	nd state numb	per of atoms in	n each of the
following.					

i) NaCl	Туре	Number
ii) NaHC0 <sub>3</sub>	TOTAL	
	TOTAL	<del></del>

## 20. Compound Formulas. Make a formula with the given elements and provide a name.

Elements	Formula	Name
Ca (2), F(1)		
C(4), 0(2)		
N(3), H(1)		

#### 21. Periodic Table True or False.

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a) Mendeleev arranged the elements according to their atomic number	
b) Currently, the periodic table is arranged according to the atomic masses	
c) There are more metals than non- metals	
d) The metalloids share properties of both metals and non-metals	
e) Elements with a full electron shell are stable gases	
f) Mercury and Bromine are liquids at room temperature	
g) the horizontal rows going across the table are called groups	
h) the vertical chemical families have similar properties	