## **Revision Sheets**

## Chapter 4- The Periodic Table

	ruc/False rhether the statement is true or false.	
1.	A metalloid is an element with all of the same	e properties as metals.
2.	Elements were arranged in order of increasing	g atomic mass on Mendeleev's first periodic table.
3.	Elements on the far right of the periodic table	e are classified as nonmetals.
_ 4.	Copper is a metal and is a conductor of e	lectricity.
5.	Ductility is not a property of metals	
6.	Most metals are on the right side of the pe	eriodic table.
	fultiple Choice e choice that best completes the statement or a	nswers the question.
7.	The atomic number of calcium is 20. WI	nat can you tell about an atom of this element?
	<ul> <li>a. the sum of its protons and neutrons is</li> <li>b. it has 20 protons</li> <li>c. it has 40 protons</li> <li>d. it has 20 neutrons</li> </ul>	20
8.	The scientist best known for contributions	to the development of the periodic table is
	a. Dmitri Mendeleev b. Democritus	c. John Dalton d. Albert Einstein
9.	A solid solution, such as sterling silver, is	n(n)
	a. alloy b. metalloid	d. emulsion
10.	Moving from left to right across the period	ic table, how do the elements change?
	<ul> <li>a. They change from nonmetals to metalle</li> <li>b. They change from metals to metalloids</li> <li>c. They decrease in atomic number.</li> <li>d. They are in alphabetic order.</li> </ul>	

	a. ato	nic ma	SS	C.	atom	ic number
	b. periodic number		d		ic weight	
12.						some spaces for undiscovered elements. The image or the atomic mass of the missing element is
	Al 27.0	Si 28.1	<b>P</b> 31.0			
	<b>Ga</b> 69.7	?	<b>As</b> 74.9			
	In 115	Sn 119	Sb 122			
	а. 101 b. 72.3			c. d.	68.2 34.8	
13.			nonmetal. W	hat is one property o		7
	a. con				malle	
	b. dul		-		ducti	
14.	a. ato:	nic nun	nbers	c.	physi	cal properties
t C-	a. ator	nic nun mical fo		c. d.	physi	
t C-	a. ator b. che Matchin	nic nun mical fo ng with its	nbers ormulas correct desc	c. d.	physichem	ical properties
t C-	a. ator b. che Matchin ach tern a. a b. r	nic nun mical for g with its	nbers ormulas correct desc number	c. d.	physi	cal properties ical properties  periodic table alkali metals
t C-	a. ator b. che Matchin ach tern a. a b. r	nic nun mical for g with its	nbers ormulas correct desc	c. d.	physichem	cal properties ical properties periodic table
t C- ch ed	a. ator b. che Matchin ach tern a. a b. r c. a d. g	nic nun mical for ag with its stomic r sonmets lkaline group	nbers ormulas correct desc number als earth metals	c. d.	e. f. g.	cal properties ical properties  periodic table alkali metals metal
t C-ch ec	a. ator b. che. Matchin ach tern a. a b. r c. a d. g	nic nun mical for g with its stomic r sonmets lkaline group	nbers ormulas  correct desc number als earth metals	c. d.	e. f. g. h.	cal properties ical properties  periodic table alkali metals metal
t C-ch ec	a. ator b. che Matchin ach tern a. a b. r c. a d. g	nic nun mical for ag with its stomic r nonmetal lkaline group number	nbers ormulas  correct description  number als earth metals of protons in	c. d.	e. f. g. h.	periodic table alkali metals metal period
t C-ch ed	a. aton b. che  Matchin a. a b. n c. a d. g 5. The 6. A ch	nic nun mical for ag with its tomic i nonmets lkaline group number art that	nbers ormulas  correct description  number als earth metals of protons in shows the el at have no m	eription.  an atom of an ele	e, f, g, h, ment.	periodic table alkali metals metal period ing atomic number.
12 10 11 11 11 11 11 11 11 11 11 11 11 11	a. ator b. che Matchin ach tern a. a b. r c. a d. g 5. The 6. A ch 7. Elen	nic nun mical for ng with its  tomic r nonmeta lkaline group number art that ments th	nbers ormulas  correct desc number als earth metals of protons in shows the el at have no m ts that are in	eription.  an atom of an elements in order of etallic properties.	e. f. g. h. ment.	periodic table alkali metals metal period ing atomic number.

	21.	The columns on the periodic table.
	22.	The elements that are in group 2 on the periodic table.
111111111111111111111111111111111111111		hort Answer correct answer for each of the following questions.
	23.	Describe five physical properties that can help to identify copper.
	24.	The increases by one for each element as you move left to right across a period.
	25.	Classify each of the following elements as a metal, nonmetal, or a metalloid:  boron carbon aluminum silicon
	26.	An element that is sometimes a good conductor of electricity and sometimes a good insulator is a(n)
	27.	An element that is a poor conductor of heat and electricity, but is a good insulator is a(n)
	28.	What are two properties that make a metal a good choice for use as wires in electronics?