Vasquez High School -- Chemistry -- Exam #2 -- Chapter 3+ -- 90 points

Write TRUE if the statement is true OR write the word that substitutes for the underlined word that would make

it true. Writin	g false only earns partial credit. Thr	ee points each.
1)	The Rutherford gold foil experime	nt discovered the <u>nucleus</u> of the atom.
2)	A diatomic molecule is one compo	sed of only two different elements.
3)	Protons and neutrons are about 183	37 times as massive as electrons.
4)	Democritus' term "atomos" was co	oined to mean something that is indivisible.
5)	There were <u>a lot</u> of things to memore seriously in the future.	orize for this test. I have to treat the subject more
For each of the follow	ing compounds, write the exact cher	mical formula – be neat and careful. Three points.
6) Iron (II) nitrate	7) St	rontium chloride
8) Gold (III) cyanide	9) Ca	alcium acetate
10) Aluminum perma	nganate	
	ing formulas, write the exact chemic spelling counts on elements only.	cal name (with roman numerals and/or Latin prefixes Three points apiece.
11) Ba ₃ (PO ₄) ₂		
12) CuC ₂ O ₄		
13) PbF ₄		
14) IBr ₅		
15) (NH4) ₂ CrO ₄		
Give the formula and	name of the compound formed betw	een these pairs of elements. Three points.
16) Si and Cl	17) Li and N	18) Sn(IV) and As

19) Give three of the features of	Dalton's Atomic Theory of 1803:	
Multiple Choice Section. Write	the letter that best corresponds to each example. Two points each.	
20) John Dalton	a) ancient Roman scientist; discovered the wheel	
	b) given credit for the discovery of the electron	
21) Lord Rutherford	c) showed the atom was mostly empty space	
	d) designed the first Crookes tube	
22) James Chadwick	e) gave us the first real atomic theory	
22) I I Thamasa	f) coined the term "atomos," meaning indivisible	
23) J. J. Thomson	g) discovered the neutron in 1932h) performed the famous oil drop experiment	
24) Democritus	i) discovered X-rays	
	be complete here. Read what you wrote before turning it in. Three	•
26) Give the full names of three	monatomic elemental gases:	.,
	and	
27) Chlorine, bromine, and iodin	ne all belong to the group.	
28) The heaviest elements are in	which series?	
29) What is periodic about the F	Periodic Table of the Elements?	
	protons and electrons	