Date	PeriodName				р 1
	Physical Science Test Elements, Models of Atom and Atomic Structure (56 pts)				
Multiple-C	hoice: Place the CAPITAL l	etter of the best answer o	n the line.(17 pts)		
1	_Which scientist proposed that atoms are infinitesimal round balls, unable to be seen by the na eye?				d
	A. Democritus	B. J. J. Thomson	C. Ernest Rutherford	D. Neils Bohr	
2	_ Who is the person credited A. J. J. Thomson		e plum pudding model? C. Neils Bohr	D. John Dalton	
3	Ernest Rutherford is credite A. quarks	ed with discovering which B. electrons	n part of the atom? C. nucleus	D. neutrons	
4	The three basic particles that make up an atom are: A. protons, neutrons, and ions C. protons, isotopes, and ions		B. protons, neutrons, and electrons D. nuclei, electron cloud, and protons		
5	_The nucleus of an atom consists of: A. protons and electrons C. protons and neutrons		B. neutrons only D. protons, neutrons, and electrons		
6	Rutherford demonstrated that the atom A. is made of mostly empty space C. electrons are outside the nucleus		B. the nucleus has a positive charge D. all of these		
7	_A single proton has what electrical charge? A no charge C. negative one charge		B. positive one charge D. either a positive or negative one charge		:
8	_Which particles have appro A. neutrons and electrons C. protons and neutrons	eximately the same size a	nd mass as each other? B. electrons and protons D. none - they all differ in size and mass		
9	_As you move from left to ri A. decrease C. increase	ght across a period in the	Periodic Table, metallic properties B. remain the same D. increase then decrease		
10	Which of the following is a property of nonmetals? A. luster C. malleability		B. high melting point D. brittleness		
11	Which of the following is a property of metals? A. dullness C. malleability		B. brittleness D. poor conductivity		
12	Which two particles would A. electrons and neutrons C. protons and neutrons	d be attracted to each other	er? B. electrons and protor D. all particles are attr		
13	_According to atomic theory A. in the atomic nucleus	, electrons are usually fo	und: B. outside the nucleus,	but close to it	