Q1W3-Test1- INtroduction to periodic table

Multiple Choice *Identify the choice that best completes the statement or answers the question.*

 1.	Which of the following elements is not used to	dop	e in an <i>n</i> -type semiconductor?
	a. antimony	с.	phosphorus
	b. arsenic	d.	silicon
2.	is an unreactive element.		
	a. Hydrogen	c.	Helium
	b. Chlorine	d.	
3.	One of the elements whose existence was predi		
 5.	a. aluminum		potassium
	b. silicon		germanium
4.	Elements in the same group have similar	ч.	Sermanan
 4.	a. electron structures	·	densities
	b. numbers of electrons		periods
~			
 5.	Almost all of Earth's atmosphere is made up of		
	a. metals		metalloids
	b. nonmetals		synthetics
 6.		eme	nts repeat in a regular pattern when the elements are
	arranged in order of increasing		
	a. density	с.	atomic number
	b. atomic mass	d.	periodicity
 7.	Which of the following elements is a metal?		
	a. Boron		Magnesium
	b. Nitrogen	d.	Carbon
 8.	Which of the following is an example of period	-	
	a. eating breakfast		writing a letter
	b. hitting a home run	d.	sneezing
 9.	Dobereiner's classification system was based on	n gro	oups of elements he called
	a. families	c.	groups
	b. periods	d.	triads
 10.	Columns of the periodic table are known as		
	a. groups	c.	similarities
	b. periods	d.	rows
 11.	According to periodic table, the physical	and	chemical properties of elements are periodic functions of
	their atomic weights.		
	a. Dmitri Mendeleev's	c.	Henry Moseley's
	b. John Newlands'	d.	Lothar Meyer's
12.	is credited with discovering the periodic	law	
	a. Linus Pauling	c.	Dmitri Mendeleev
	b. Artemis Halogen	d.	J.W. Dobereiner
13.	Which element is least likely to be used in semi	icon	ductors?
 	a. silicon	с.	10
	b. phosphorus		boron
14.	The concept of triads suggested that the propert		
 17.	a. atomic number	с.	· · · · ·
	b. atomic mass	d.	
15.	At room temperature, most elements are		0 r
 1.J.	in room competature, most elements are	•	

	a. solid	с	gas			
	b. liquid		plasma			
16.						
 	a. 1 and 2		1, 2, and 18			
	b. 3 through 12		13 through 18			
 17.	Chlorine, iodine, and make up the haloge	en tr	riad.			
	a. bromine		sodium			
	b. lithium	d.	potassium			
 18.	All of the following elements are metals except					
	a. aluminum	c.	sodium			
	b. chlorine	d.	copper			
 19.	The blank spaces in Mendeleev's periodic table	_				
	a. liquids		nonexistent elements			
	b. gases	d.	undiscovered elements			
 20.	Most semiconductors are					
	a. metals		metalloids			
	b. nonmetals		synthetics			
 21.	Which of the following is not a characteristic o					
	a. lustrous	с.	brittle			
22	b. conducts heat		flexible			
 22. An element with three valence electrons is used to dope a semiconductor. What type of semicond						
	formed?	C	или			
	a. <i>n</i> b. <i>p</i>		npn pnp			
23.	All Group 1 elements have	ч.	Υ···			
 23.	a. one valence electron	c.	unpredictable properties			
	b. one energy level		one electron			
24.	Which of the following events is periodic?					
	a. a basketball game	c.	snowfall			
	b. tides	d.	a single flower blooming			
 25.	Most elements are					
	a. metals	c.	metalloids			
	b. nonmetals	d.	synthetic			
 26.	Which of the following is a transition element?					
	a. gallium	c.	aluminum			
	b. nickel	d.	tellurium			
 27.	The second row of the periodic table includes _					
	a. 2		18			
•	b. 8		32			
 28.	Horizontal rows of the periodic table are known					
	a. groups b. families		periods columns			
20						
 29.	Earliest attempts at classifying elements was ba a. size of atoms	c.				
	b. atomic numbers	d.				
30.						
 50.	A certain element is a gas and does not conduct electricity or heat. Which of the following is a possible number of valence electrons for the atoms of this element?					
	a. 1	с.				
	b. 2		6			