Quizlet

## 2

0 Multiple choice questions					
1.		ostance formed when two or more chemical elements are chemically bonded together in the same ratio element			
	b.	ion			
	c.	biosphere			
	d.	compound			
2.	a set	of methods for quantitatively determining a sample based on mass			
	a.	electrolysis			
	b.	atomic number			
	c.	gravimetric analysis			
	d.	chemical changes			
3.	diffe	rent forms of an element; they may have different physical or chemical properties			
	a.	allotropes			
	b.	electron			
	c.	isotopes			
	d.	electrolysis			
4.	an elementary particle of an atom, found in shells surrounding the nucleus				
	a.	electrolysis			
	b.	electron			
	c.	element			
	d.	allotropes			
5.	the chemical reaction occurring when an electric current passes through a liquid; often used for obtaining pure elements				
	a.	allotropes			
	b.	isotopes			
	c.	electrolysis			
	d.	electron			
6.	a che	emical reaction when a compound splits up into elements or simpler compounds			
	a.	electrolysis			
	b.	decomposition			

c. electron

d. compound

7.	atom	ns linked by chemical bonds with sharing of electrons e.g. oxygen, carbon dioxide
	a.	covalent molecules
	b.	electrolysis
	C.	allotropes
	d.	atmosphere
8.	chem	nical equations that show the formation of ions by the loss or gain of electrons
	a.	atomic number
	b.	ionic equations
	C.	ionic compounds
	d.	balanced equation
9.	an ed	quation using chemical symbols, having equal numbers of each atom on both sides
	a.	electron
	b.	balanced equation
	C.	decomposition
	d.	ionic equations
LO.	chan	ges that lead to a new substance being formed
	a.	allotropes
	b.	empirical formula
	C.	atomic number
	d.	chemical changes
l 1.		ns of the same element that have the same atomic number but different mass number i.e. they have the same ber of protons, but a different number of neutrons
	a.	isotopes
	b.	compound
	c.	allotropes
	d.	ion
L2.		envelope of gas, vapour and aerosol particles surrounding the Earth, forming constituent in the environment of a forms of terrestrial life
	a.	biosphere
	b.	atmosphere
	C.	hydrosphere
	d.	isotopes

13.	a sub	ostance with attraction between positive and negative ions e.g. NaCl
	a.	isotopes
	b.	compound
	c.	ionic equations
	d.	ionic compounds
14.	an at	om or group of atoms that has become electrically charged by the gain or loss of electrons e.g. Cl-, Na+
	a.	electron
	b.	element
	c.	compound
	d.	ion
15.	all th	e water of the Earth, in the oceans, rivers, lakes etc.
	a.	biosphere
	b.	atmosphere
	c.	hydrosphere
	d.	isotopes
16.	the n	umber of protons in the nucleus of an atom, defining the chemical element
	a.	compound
	b.	atomic number
	c.	atmosphere
	d.	allotropes
17.	a for	mula giving the proportions of the elements present in a compound but not the actual numbers or arrangement
	a.	ionic compounds
	b.	empirical formula
	c.	chemical changes
	d.	atomic number
18.		ostance composed of atoms of the same atomic number, incapable of being broken down to simpler substances aying the same properties
	a.	compound
	b.	electron
	c.	element
	d.	ion

- 19. a substance with covalent bonds between atoms extending in a 3-dimensional network e.g. diamond, silicon oxide
  - a. covalent molecules
  - b. balanced equation
  - c. covalent network substance
  - d. electrolysis
- 20. the region of the Earth inhabited by living things, including air, land and water
  - a. compound
  - b. biosphere
  - c. atmosphere
  - d. hydrosphere