Quizlet

## 2

20 Multiple choice questions				
1.		e heat content of a system; the total of all the kinetic and potential energies for one mole of a substance calorimetry		
	b.	enthalpy (ΔH)		
	c.	equilibrium		
	d.	density		
2. the number of moles of solute per litre of solution		umber of moles of solute per litre of solution		
	a.	dilution		
	b.	density		
	C.	molarity		
	d.	calorimetry		
3.		e strongest of the intermolecular forces; the slightly positive charge on the hydrogen of one molecule is strongly cted to the slightly negative charge on the F, O or N of another molecule		
	a.	density		
	b.	hydrogen bonding		
	c.	cohesion		
	d.	dilution		
4.	is wh	ere energy is released to the surroundings		
	a.	cohesion		
	b.	dilution		
	C.	exothermic reaction		
	d.	endothermic reaction		
5.	the n	nass of a substance divided by its volume; units are g/cm3; i.e lead has a density of 11.3 g/cm3		
	a.	molarity		
	b.	cohesion		
	c.	density		
	d.	kelvin		
6.	the u	nequal charge distribution between two atoms so that the atoms of a bond have a $\delta$ + and a $\delta$ -		
	a.	kelvin		
	b.	dipole		
	c.	density		

d. joule

/.	the fo	orces between molecules; e.g., dispersion forces, dipole-dipole forces and hydrogen bonding
	a.	non-polar molecule
	b.	dipole-dipole force
	c.	dispersion force
	d.	intermolecular forces
8.	the d	issolving of a substance in a liquid
	a.	dissolution
	b.	dilution
	c.	dipole
	d.	cohesion
9.	or sta	ate symbols- (s), (l), (aq), (g), -in equations show the state of each substance
	a.	calorimetry
	b.	dipole
	c.	cohesion
	d.	phase descriptors
LO.		ms of a solution; refers to the addition of water to a solution to decrease concentration; the number of moles of ute is unchanged
	a.	dissolution
	b.	dilution
	C.	cohesion
	d.	kelvin
l 1.	the a	ttraction between the molecules of a liquid; it holds the particles of the liquid together
	a.	cohesion
	b.	dilution
	c.	density
	d.	molarity
L2.	for a	reversible reaction occurs when the rate of the forward reaction equals the rate of the back reaction
	a.	molarity
	b.	equilibrium
	c.	dilution
	d.	dynamic equilibrium

a. dispersion force b. dipole-dipole force

c. dissolution

d. dipole

a. dipole

b. calorimetry

c. non-polar molecule

d. dipole-dipole force

degree Celsius; K = °C + 273

a. dilution b. kelvin

c. dipole

d. density

Test: 11 Chemistry 5 Water - Part 1 | Quizlet 13. an equilibrium where molecules are undergoing the forward as well as the back reaction, at the same rate; e.g.. liquid water and water vapour in a sealed container a. dynamic equilibrium b. molarity c. dilution d. equilibrium 14. a weak attractive force between molecules due to the attraction between negative electrons of one molecule and the positive nucleus of another molecule a. dipole b. cohesion c. dispersion force d. dipole-dipole force 15. is where energy is absorbed from the surroundings a. dilution b. cohesion c. endothermic reaction d. exothermic reaction

17. has no overall dipole; some molecules are non-polar if they are symmetrical so dipoles cancel, as in linear O = C = O;

18. the scientific temperature scale with absolute zero as 0 K; a charge of one kelvin is the same as a charge of one

elements such as O2 are non-polar as the atoms share the electrons equally and there is no dipole

16. an attractive intermolecular force between the dipoles of neighbouring polar molecules

- 19. is the SI unit for energy, such as heat
  - a. joule
  - b. density
  - c. kelvin
  - d. dipole
- 20. the measurement of heat changes associated with chemical reactions and physical processes
  - a. density
  - b. molarity
  - c. calorimetry
  - d. joule