學	条	部別: 日間部/第二部/	年級	年度轉學招生 考 試 科 目 (中文名稱)	考試日期	節次	備註			
A34	物组址解系	土倒內倒記		普通化學	7月31日	100	13=30 ~ 14=50			
生:考	生可否攜帶計算	算機或其他資料	作答,請在	備註欄註明(如未註明,	一律不准攜帶〉	 •	_(<u>女=夏)</u> P2-1			
1.	Define the	e following te	erms:		配公: 笔	1~2顯	,每題各10分			
_,	a. science	_			BB/1 No 100 Control					
	b. chemis	try			第3~18題,每題各5分					
2.	Classify ea	ch of the follo	wing as a	physical (P) or a chemi	cal (C) chan	ge.				
		a.	_	g an egg						
		b.	boiling							
		c.	ironing							
		d.	•	g gasoline						
		e.	-	osing water						
		f.	_	ating alcohol						
-		g. _ h.	_	g a table top	•					
		i.	grindin	g gram ting fruit juice						
		i. i.		ing sugar in water						
			u15501V.	ing sugai in water						
3.	How many	milliliters are	in 0.020	L?						
4.	How many protons, electrons, and neutrons, respectively, does ¹⁶ O have?									
	a. 8, 18, 8		b. 8,	~	s. 8, 10, 8					
	d. 8, 14, 8		e. 8,	18, 16						
5.	Write the correct formula for sulfuric acid.									
6.	Sodium r	metal reacts	sazith saz	ater to produce aqu	neons sodin	ım h	vdroxide and			
0.				ced equation for this			y aroxide and			
7.	When the	following eq	uation is	balanced, what is the	coefficient	for H2	<u>2</u> O?			
	$Ca(OH)_2(aq) + H_3PO_4(aq) \rightarrow Ca_3(PO_4)_2(s) + H_2O(l)$									
8.	Because a	toms are so _	 _	, the standard	units of ma	ss are	not useful in			
	measurem									
	a. unstabl	le	b. sc		c. v	aried				
	d. small		e. el	ectrically charged						
9.	Refer to the following equation: $4NH_3(g) + 7O_2(g) \rightarrow 4NO_2(g) + 6H_2O(g)$									
	How many moles of ammonia will be required to produce 10.0 mol of water?									
	a. 4.00 mg	•		0.0 mol		.67 mc				
	d. 5.00 me	ol		one of these						

		禁 大 學	907			考試 翻	、 	
學	条	日間部/第二部/ 進修學士班/四技	年級	考 試 (中文名	科目、稱)	考試日期	節次	備註
RE	生物科技解	大學日間部		普通化學	3	7月31日	102	3-30 ~14=
注:才	产生可否攜帶計	算機或其他資料	作答,請在任	精註欄註明(如	未註明,一	律不准攜帶) •	P2-2
10	. The electro a. 1s ² 2p ⁶ d. 1s ² 2s ² 2p ³		b. [He	oxygen atom] $2s^6$ e of these	is	c. [N	e] 2 <i>s</i> ²2 <i>p</i>) 4
11	-	the table by e elements lis Br	•	ne predicted	formulas	s of the co	ompour	nds formed
	Na							
	Mg Al							
13	volume of hydrogen b Calculate the at 100°C. The	nple of a hyd the balloon y mass. Det ne quantity of ne molar heat tely 38 g of N	is 12.2 L. ermine the energy re of vapori	The hydrone molecular frequired to character to the case of the ca	carbon is formula c ange 3.00 er is 40.6	s 79.89% cof the hydromol of liqkJ/mol.	arbon a ocarbor uid wat	and 20.11% n. ter to stean
	prepared by a. True b. False	y adding 35 g	of NaCl t	o 100 g of wa	ter at 25°	C is unsatu	rated.	
15	a. a substar b. a substar c. a substar	to the Bronstence that increance that can achieve that can dence that increance	nses the h scept a pro onate an o	ydroxide ion oton from an electron pair (concentr acid to the for	mation of a	a covale	
	e. none of t	hese						
16.	the reaction a. spontane	elieve that cl	•		r becaus	e the mole	ecules i	nvolved in
	b. are alway	ys unstable y below a cert	ain mavi	mum tampara	ituro			
	•	ith each othe		_		chemical b	onds	
	e. are movi	ng so fast tha	t the chan	ce of interact	ion is ve	ry small		
17.	·	is a loss o	of electron	าร.				
	a. Reductio	n l	o. Neu	tralization		c. Ox	idation	

18. A particular radioactive element has a half-life of 2.00 weeks. What percent of the original sample is left after 28.0 days?

None of these

e.

d. Galvanization