Not yet answered Marked out of 1.00 Question 2 Not yet answered Marked out of 1.00 Question 3 Not yet answered Marked out of 1.00	Select one: O liquid SO ₂ O hydrogen-fluoride O formic acid O buthanol O acetamide
Marked out of 1.00 Question 2 Not yet answered Marked out of 1.00 Question 3 Not yet answered Marked out of	 liquid SO₂ hydrogen-fluoride formic acid buthanol acetamide
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Not yet answered Marked out of 1.00 Question 3 Not yet answered Marked out of	The shamical formula of one of the nitrogen evides is N.O. What mass of nitrogen would be found in E4 a of N.O.2
Answered Marked out of 1.00 Question 3 Not yet answered Marked out of	The chemical formula of one of the nitrogen oxides is N_2O_5 . What mass of nitrogen would be found in 54 g of N_2O_5 ?
Question 3 Not yet answered Marked out of	Select one:
Question 3 Not yet answered Marked out of	O 33 g
Not yet answered Marked out of	O 46 g
Not yet answered Marked out of	O 14 g
Not yet answered Marked out of	O 7 g
Not yet answered Marked out of	O 28 g
	C ₃ H ₈ is 44.0 g/mol. the molar mass of H ₂ is 2.0 g/mol. Select one: 1.34 g/mol
	O 33.5 g/mol
	O 2.0 g/mol
	O 134 g/mol
	O 3.35 g/mol
Question 4 Not yet	The reaction between 1-propene and hydrogen-chloride is an example of
answered Marked out of	Select one:
1.00	O reduction
	O addition
	 substitution
	O oxidation
	O elimination

Question 5 Not yet answered	Aqueous H ₂ SO ₄ solution is electrolized using graphite electrodes. Select the correct statement!
Marked out of	Select one: On the surface of the anode oxidation occurs.
1.00	Hydrogen gas is liberated on the anode.
	Oxygen gas is liberated on the catode.
	2 - 4
	O During the electrolysis identical volume of gases are liberated.
Question 6 Not yet answered	Which of the following gases under identical conditions (temperature, pressure) contains the largest number of molecules?
Marked out of	Select one:
1.00	O 100 g HBr
	O 100 g Ar
	O 100 g Cl ₂
	O 100 g SO ₂
	O I00 gNO
Question 7 Not yet	A pH = 12 solution
answered	Select one:
Marked out of 1.00	of sodium hydroxide contains 0.01 mol/dm ³ NaOH.
	O of ammonia contains 0.01 mol/dm ³ NH ₃
	O has an H ₃ O ⁺ concentration of 10 ⁻² mol/dm ³
	has a hydroxide concentration of 10 ⁻¹² mol/dm ³
	O of acetic acid contains 0.01 mol/dm ³ CH ₃ COOH.
Question 8 Not yet	Which substance is the oxidation agent in the following reaction: $MnO_2 + 4 HCI = MnCI_2 + CI_2 + 2 H_2O$
answered	Select one:
Marked out of 1.00	\bigcirc Cl_2
	O MnCl ₂
	O HCI
	\bigcirc H_2O
	\bigcirc MnO ₂
Question 9 Not yet	How many lead ions are contained in 2 moles of lead dioxide whose formula is PbO ₂ ?
answered	Select one:
Marked out of 1.00	O 18*10 ²³ pieces
	O 1.2*10 ²⁴ pieces
	O 2 * 96500 pieces
	O 2 pieces
	O 4 pieces

Question 10	Which of the following substances has the lowest melting point?
Not yet answered	Select one:
Marked out of	methanol
1.00	methane
	acetone
	methyl acetate
Question 11	Which of the following molecules are polar?
Not yet answered	
Marked out of	Select one:
1.00	$\bigcirc F_2$
	○ CCI ₄
	O NH ₃
	$O CO_2$
	\circ SO ₃
Question 12	Which of the following metals do not liberate H ₂ gas from diluted HNO ₃ ?
Not yet answered	
Marked out of	Select one:
1.00	O Zn
	O Fe
	O Cu
	O K
	O Mg
42	
Question 13 Not yet	Which substances are each other's constitutional (structural) isomers?
answered	Select one:
Marked out of	O formic acid and acetic acid
1.00	acetic acid and acetone
	O dimethyl ether and formic acid
	 ethanol and dimethyl ether
	 acetone and ethtanol
Question 14	How many moles of KOH can be found in 500 cm ³ of 0.5 mol/dm ³ KOH solution?
Not yet	
answered Marked out of	Select one:
1.00	O 1.0 mol
	O 2.50 mol
	O 0.025 mol
	O 0.10 mol
	O 0.25 mol

Question 15 Not yet	How many moles of NaCl can be formed when 0.5 mol of sodium reacts with 2.5 mol of chlorine gas? 2 Na + Cl_2 = 2 NaCl
answered	Select one:
Marked out of 1.00	O 3 mol
	○ 5mol
	O 1.25 mol
	O 1 mol
	O 0.5 mol
Question 16 Not yet answered	0.4 mol of ammonia is dissolved in 150 g of water. What is the percent by mass (m/m) % composition of the solution? The molar mass of NH ₃ is 17 g/mol.
Marked out of 1.00	Select one:
1.00	O 0.27 % (m/m)
	O 4.34 % (m/m)
	O 7.42 % (m/m)
	O 4.53 % (m/m)
	O 17 % (m/m)
Question 17 Not yet answered	Which of the following compounds would liberate one mole of hydrogen gas when two moles of it reacts with two moles of sodium?
Marked out of 1.00	Select one:
1.00	Oacetone
	Opropane
	O formic acid
	O buthanone
	O methane
Question 18 Not yet answered	A pH value smaller than 7 would be shown by 1.0 mol/dm ³ solution of
Marked out of	Select one:
1.00	O potassium sulphate
	O glucose
	O sodium acetate
	O ammonia
	ammonium chloride
Question 19 Not yet	The rate of chemical reaction
Not yet answered	The rate of chemical reaction Select one:
Not yet	
Not yet answered Marked out of	Select one:
Not yet answered Marked out of	Select one:
Not yet answered Marked out of	Select one: always decreases with decreasing pressure increases with decreasing pressure

Question 20 Not yet	Copper reacts with concentrated sulphuric acid. Which of the following statements is false?
answered	Select one:
Marked out of 1.00	A redox reaction occurs
	Reduction of sulphuric acid occurs
	O Gas evolution occurs
	Oxidation of copper occurs
	O SO ₃ is formed
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