Environment Chemistry The Atmosphere

Sr	Questions	Answers Choice
1	The reason for maintaining higher temperature for the production of ammonia is.	A. Activation energy of teh reaction is very high B. Activation energy of the reactio is very low C. Nitrogen and hydrogen are both gases. D. At low temperature nitrogen and hydrogen change into liquids
2	It is an amphoteric substances.	A. Water B. Carbon dioxide C. Sodium hydroxide D. Hydrochloric acid
3	Which gas is rapidly converted into nitrogen dioxide by oxygen in the air.	A. Nitric oxide B. Nitrous oxide C. Ammonia D. Nitrogen
4	What pressure is typically maintained in the Haber Process.	A. 100 atm B. 200 atm C. 300 atm D. 400 atm
5	Which metal cannot displace hydrogen from dilute acids.	A. Iron B. Zinc C. Lead D. Gold
6	Which of the following metal reacts most violently with dilute acids.	A. Sodium B. Zinc C. Iron D. Magnessium
7	Secondary pollutants present in the atmosphere are.	A. Oxides of nitrogen B. Oxides of sulphur C. Ozone and PAN D. Oxides of Carbon
8	The contact process used for the industrial production of H2SO4 is sensitive to the impurities present in SO2 and O2 becasue the impurities.	A. Affect the capability of the catalyst B. Affect the purity of H2SO4 C. Do not let SO2 to reafct with oxygen D. Decrease the rate of reaction appreciably.
9	Oxides formed when oxygen reacts with metals.	A. Acidic B. Basic C. Both basic and amphoteric D. Neutral
10	Which type of oxide is formed when oxygen rfeacts with a non -metal like sulphur or carbon	A. Basic oxide B. Acidic oxide C. Neutral oxide D. Amphoteric oxide
11	Which catalyst is employed in the contact process for the oxidation of SO2?	A. Iron B. Magnesium C. Vanadium Oxide D. Copper
12	the roasting of Iron Pyrite produces which gas.	A. SO2 B. NH3 C. CO2 D. H2
13	What is the primary use of the Ammonia produced globally.	A. Plastics B. Refrigerants C. Explosives D. Fertilizers
14	Which metal produces a crimson flame when burned.	A. Calcium B. Strontium C. Magnesium

		D. Potassium
15	What is teh chemicla formula of oleum.	A. H2SO4 B. SO3 C. H2S2O7 D. H2S2O8
16	Which catalyst is used in the synthesis of ammonia.	A. Vanadium oxide B. Platinum C. Iron wiht Al2O3 D. Nickel
17	At what temperature is nitrogen separeted from liquid air during fractioal distillation.	A. -196 oC B. -33.4 oC C. 450 oC D. 0 oC
18	Peroxyaccetyl nitrate is formed by teh reaction of sunlight with NOx and.	A. carbon dioxide B. Volatile organic compounds C. Water vapour D. Oxygen
19	Sodium is considered more reactie than magnesium because.	A. It is more electropositive than magneium B. It reacts with water slowly C. It is present in second group D. It is the lss metallic
20	What is the charcteristic flame colour of Barium when it burns in oxygen.	A. Intense white B. Crimson C. Pale green D. White with red