

IDENTIFICATION OF GASES

Total Questions » 15

Max Time Allowed: 20 min

Q.1) A colourless gas having a suffocating odour, such that it turns acidified potassium dichromate solution green.

D. hydrogen chloride

Q.2) Ammonium salt when treated with alkali, and given some heat liberates a gas, which gives dense white fumes with HCl.

- A. nitrogen
- B. ammonia
- C. chlorine
- D. nitric oxide

Q.3) Gas which will react with ammonia to form dense white fume.

- A. chlorine
- B. hydrogen chloride
- C. both of above
- D. only hydrogen chloride

Q.4) A colourless gas which rekindle glowing splinter, but cannot be used for breathing.

- A. oxygen
- B. nitric oxide
- C. nitrous oxide
- D. nitrogen

Q.5) A greenish yellow gas which bleaches moist red rose

- A. nitrogen dioxide gas
- B. chlorine gas
- C. nitrogen monoxide
- D. sulphur dioxide

Q.6) Which gas will reduce lead(II)oxide to lead

- A. hydrogen
- B. carbon monoxide
- C. ammonia
- D. all of the above

Q.7) A colourless gas which dissolves rapidly in alkaline pyrogallol solution and is a supporter of combustion

- A. nitrous oxide
- B. chlorine
- C. oxygen
- D. hydrogen

Q.8) A colourless gas which turns reddish brown on mixing with air

- A. nitrogen
- B. nitrogen(II)oxide
- C. chlorine
- D. non of the above

Q.9) A colourless gas which is test less and odourless, does not support combustion and does not turn lime water milky

- A. nitrogen
- B. carbon dioxide
- C. ammonia
- D. sulphur dioxide

Q.10) Iron(II)sulphide when treated with dilute hydrochloric acid liberates a gas which has a foul smell and turns moist lead acetate paper black.

- A. sulphur dioxide
- B. sulphur trioxide
- C. hydrogen sulphide
- D. sulphuryl chloride

Q.11) A reddish brown gas which is obtained by the action of heat on lead nitrate crystals.

- A. chlorine
- B. nitrogen dioxide
- C. ammonia
- D. nitric oxide

Q.12) A colourless gas which forms an explosive mixture with air, and the water is the only product of combustion.

- A. carbon monoxide
- B. hydrogen
- C. ammonia
- D. hydrogen sulphide

Q.13) A colourless gas which forms explosive mixture with air , and the only product of combustion is a gas which turns lime water milky.

- A. sulphur dioxide
- B. nitric oxide
- C. carbon dioxide
- D. carbon monoxide

Q.14) When red lead is treated with conc.hydrochloric acid and heated it liberates a gas .

- A. hydrogen chloride
- B. chlorine gas
- C. oxygen
- D. sulphur di oxide

Q.15) A gas which is produced by the action of conc sulphuric acid on rock salt.

- A. chlorine gas
- B. hydrogen chloride gas
- C. nitrogen gas
- D. nitrogen dioxide gas