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2 elements block about Worksheet الملف

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**HIGHER SECONDARY SECOND YEAR CHEMISTRY**

Choose the best answer:

- In which of the following,  $\text{NH}_3$  is not used?
  - Nessler's reagent
  - Reagent for the analysis of IV group basic radical
  - Reagent for the analysis of III group basic radical
  - Tollen's reagent
- Which is true regarding nitrogen?
  - least electronegative element
  - has low ionisation enthalpy than oxygen
  - d- orbitals available
  - ability to form  $p\pi-p\pi$  bonds with itself
- An element belongs to group 15 and 3 rd period of the periodic table, its electronic configuration would be
  - $1s^2 2s^2 2p^4$
  - $1s^2 2s^2 2p^3$
  - $1s^2 2s^2 2p^6 3s^2 3p^2$
  - $1s^2 2s^2 2p^6 3s^2 3p^3$
- Solid (A) reacts with strong aqueous NaOH liberating a foul smelling gas(B) which spontaneously burn in air giving smoky rings. A and B are respectively
  - $\text{P}_4$ (red) and  $\text{PH}_3$
  - $\text{P}_4$ (white) and  $\text{PH}_3$
  - $\text{S}_8$  and  $\text{H}_2\text{S}$
  - $\text{P}_4$ (white) and  $\text{H}_2\text{S}$
- On hydrolysis,  $\text{PCl}_3$  gives



