



**ABHIGYAN  
ACADEMY**

**PREP. Of  $H_2O$ ,  $O_2$ ,  $N_2$ ,  $CO_2$   
PYQs (2014-2024)**



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Which one of the following gases dissolves in water to give acidic solution?

- (a) Carbon dioxide
- (b) Oxygen
- (c) Nitrogen
- (d) Hydrogen



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3. Reaction between which of the following two reactants will produce hydrogen gas?

- (a) Magnesium and hydrochloric acid
- (b) Copper and dilute nitric acid
- (c) Calcium carbonate and hydrochloric acid
- (d) Zinc and nitric acid



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**4. Which of the following characteristics is common to hydrogen, nitrogen, oxygen and carbon dioxide?**

- (a) They are all diatomic.**
- (b) They are all gases at room temperature.**
- (c) They are all coloured.**
- (d) They all have same reactivity.**





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17. When air is blown from mouth into a test tube containing limewater, the limewater turns milky. This is due to the presence of

- (a) water vapour
- (b) oxygen
- (c) carbon dioxide
- (d) carbon monoxide



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