



**ABHIGYAN
ACADEMY**

PYQs on Acid, Bases and Salts



In the reaction $\text{ZnO} + \text{C} \rightarrow \text{Zn} + \text{CO}$, 'C' acts as

- (a) an acid
- (b) a base
- (c) an oxidising agent
- (d) a reducing agent



Which one of the following elements will *not* react with dilute HCl to produce H_2 ?

- (a) Hg
- (b) Al
- (c) Mg
- (d) Fe



Which one of the following oxides of nitrogen is known as 'anhydride' of nitric acid ?

- (a) N_2O
- (b) N_2O_3
- (c) NO_2
- (d) N_2O_5



Soap is sodium or potassium salt of

- (a) Stearic acid**
- (b) Oleic acid**
- (c) Palmitic acid**
- (d) All of the above**



Boric acid is an acid because its molecule:

- (a) accepts OH^- from water releasing proton
- (b) combines with proton from water molecule
- (c) contains replaceable H^+ ion
- (d) gives up a proton



Which one of the following is a tribasic acid?

- (a) Hydrochloric acid
- (b) Nitric acid
- (c) Sulphuric acid
- (d) Phosphoric acid



The principal use of hydrofluoric acid is

- (a) in etching glass
- (b) as a bleaching agent
- (c) as an extremely strong oxidizing agent
- (d) in the preparation of strong organic fluorine compounds



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• Which one of the following was the first mineral acid discovered?

- (a) Sulphuric acid
- (b) Hydrochloric acid
- (c) Nitric acid
- (d) Phosphoric acid



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3. Vinegar is also known as

- (a) ethanoic acid
- (b) nitric acid
- (c) sulphuric acid
- (d) tartaric acid



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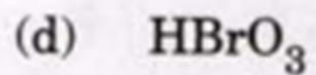
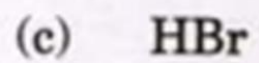
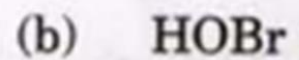
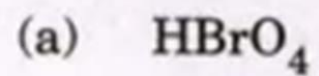
Which one of the following acids is predominantly found in tomatoes ?

- (a) Acetic acid
- (b) Tartaric acid
- (c) Oxalic acid
- (d) Lactic acid



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• Which one of the following is the chemical formula of Hypobromous acid ?





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Which one of the following is an organic acid ?

- (a) Hydrochloric acid
- (b) Nitric acid
- (c) Acetic acid
- (d) Sulphuric acid



Stung by hairs of nettle leaves causes burning pain. This is due to the injection of

- (a) Acetic acid
- (b) Methanoic acid
- (c) Sulphuric acid
- (d) Hydrochloric acid



6. The accidental touch of Nettle leaves creates a burning sensation, which is due to inject of

- (a) Hydrochloric acid
- (b) Methanoic acid
- (c) Citric acid
- (d) Sulphuric acid

