

**FOR ASSESSMENT: Acids & Hydrates Quiz**

There will be 10 random MC questions on Acids and Hydrates naming. Use your periodic table. You have 18 minutes to complete it and only one attempt.

1. Select the formula for the following acid: hydrobromic acid (1 point)

- ☐ HBrO4
☐ HBrO3
☐ HBr

2. Name the following ionic compound: $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ (1 point)

- ☐ magnesium sulfate pentahydrate
☐ magnesium sulfide heptahydrate
☐ magnesium sulfate heptahydrate
☐ magnesium sulfate octahydrate

3. Select the name for the following acid: H_2SO_4 (1 point)

- ☐ Sulfuric acid
☐ Hydrosulfuric acid
☐ Sulfurous acid

4. Select the formula for the following acid: hydroiodic acid (1 point)

- ☐ HI
☐ HIO_4
☐ HIO_3
☐ H_2I

5. Which word indicates that two water molecules are associated with a substance in a chemical compound? (1 point)

- ☐ mono
☐ tri
☐ di
☐ an

6. Name the acid: H_3PO_3 (1 point)

- ☐ hydrophosphoric acid
☐ phosphoric acid
☐ phosphoric hydroxide
☐ phosphorous acid

7. What determines the number of hydrogens in your acid? (1 point)

- ☐ there are always just one
☐ its the same as the charge of the anion
☐ its the same as the charge of hydrogen
☐ magic

8. Select the formula for the following acid: chloric acid (1 point)

- ☐ HClO_3
☐ HCl
☐ HClO_4

9. What is the formula for Hydrosulfuric Acid? (1 point)

- ☐ $\text{H}_2(\text{SO}_3)$
☐ H_2S
☐ $\text{H}_2(\text{SO}_2)$
☐ $\text{H}_2(\text{SO}_4)$

10. Select the formula for the following acid: Carbonic Acid (1 point)

- ☐ H_2CO_3
☐ H_4C
☐ HCO_3

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