

Name _____

Metal Marvels: How Acids React and What They Produce

Short Answer

1. Describe the general process that occurs when an acid reacts with a metal, including the role of hydrogen ions.
2. Explain why some metals, like gold and platinum, are less reactive with acids compared to metals like zinc and magnesium.
3. Write the balanced chemical equation for the reaction between iron (Fe) and sulfuric acid (H_2SO_4), indicating the products produced.
4. What is the significance of observing bubbles rising from the surface of a metal during its reaction with an acid?
5. How does the reactivity of metals vary, and why is it important to consider when conducting experiments with acids?

