Name _____

How Can You Tell If a Chemical Reaction Has Occurred?

Open-Ended Response Questions

1. Imagine you mix two clear liquids, and they change color. Describe what might be happening at the molecular level and provide a real-life example.

2. If you observe bubbles forming when you mix vinegar and baking soda, explain the science behind it, including the substances involved and the products formed.

3. Think of a situation in which you might encounter chemiluminescence in your daily life. Describe what you would see and explain the chemical reaction responsible for it.

4. Why is it important for scientists and researchers to recognize the signs of a chemical reaction in their experiments and observations?

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