

WHAT'S IN THE BUBBLES?

1. Make a list of the gases you know about or have heard about.

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Answers will vary.

2. How would you define *gas*?

Matter composed of particles that fly through space independently. Gas has no definite shape or volume.

3. Everything is made of elements. What *elements* could be in the gas that forms when sodium bicarbonate (NaHCO_3) and citric acid ($\text{C}_6\text{H}_8\text{O}_7$) react?

Possibly sodium, hydrogen, carbon, and oxygen.

4. What gas do you think is in the bubbles that form when NaHCO_3 and $\text{C}_6\text{H}_8\text{O}_7$ react?
carbon dioxide (CO_2)