Lesson: Alka-Seltzer Experiment	Name:
Teacher:	Date:

Fizzing Science: Alka-Seltzer Reactions Free Worksheet – STEM Scholars Hub
www.innovatewithmrbarbado.com https://www.youtube.com/@STEMClub-z7l

Instructions: Circle the correct answer for each question.

1. What type of reaction occurs when an Alka-Seltzer tablet is dropped in water?
A. Physical reaction
B. Chemical reaction
C. Freezing reaction
D. Melting reaction

2. Which gas is produced during the Alka-Seltzer reaction?
A. Oxygen
B. Hydrogen
C. Carbon dioxide
D. Nitrogen

3. Which two main ingredients in Alka-Seltzer cause the reaction?
A. Salt and water
B. Sodium bicarbonate and citric acid
C. Sugar and vinegar
D. Baking soda and lemon juice

4. What happens to the Alka-Seltzer tablet in water?
A. It melts slowly without change
B. It dissolves and produces fizz
C. It becomes solid
D. It evaporates

5. What type of reaction is the Alka-Seltzer experiment considered?
A. Endothermic
B. Exothermic
C. Neutral
D. Condensation

6. How does warmer water affect the reaction?
A. Slows it down
B. Speeds it up

C. Stops the reaction
D. Has no effect

7. What can be used to capture the gas produced?
A. Spoon
B. Balloon
C. Paper towel
D. Funnel

8. Which of the following is a sign of a chemical reaction in this experiment?
A. Bubbling and fizzing
B. Tablet staying solid
C. Water changing temperature slightly
D. All of the above

9. How does increasing the number of tablets affect the reaction?
A. Less fizz is produced
B. More fizz is produced
C. Reaction stops
D. No change occurs

10. Why should students not inhale the gas produced?
A. It is poisonous
B. It can cause dizziness
C. It is safe to breathe
D. It is flammable

Answer Key:

1. B
2. C
3. B
4. B
5. B
6. B
7. B
8. A
9. B
10. B