

Name: _____

Date: _____



GENIUSCHALLENGE

CHEMICAL VS. PHYSICAL CHANGES

1. If two substances are mixed and a new substance is formed, what type of change is it?

2. Placing the spoon in hot water was a physical change since the melted metal was still...

- a. gallium b. iron c. steel d. aluminum

3. When a substance changes states (melts, evaporates, etc.) it is often what type of change?

4. Fill in the blank using **physical change** or **chemical change**.

When something burns, it is a _____

5. True or false: since gas is detected during the candy + soda demo, it is an example of a chemical change.

6. What is the evidence that the gas made in the mentos + soda demo was carbon dioxide?

7. Which of these is the most reliable way to see if a new gas has formed?

- a. Fill up a balloon b. Flame test c. Measure temperature d. Look at it

8. How does hydrogen react in a flame test? _____

9. Milk spoiling is an example of which type of change? _____

10. What type of change is mixing air into egg whites to make frosting? _____