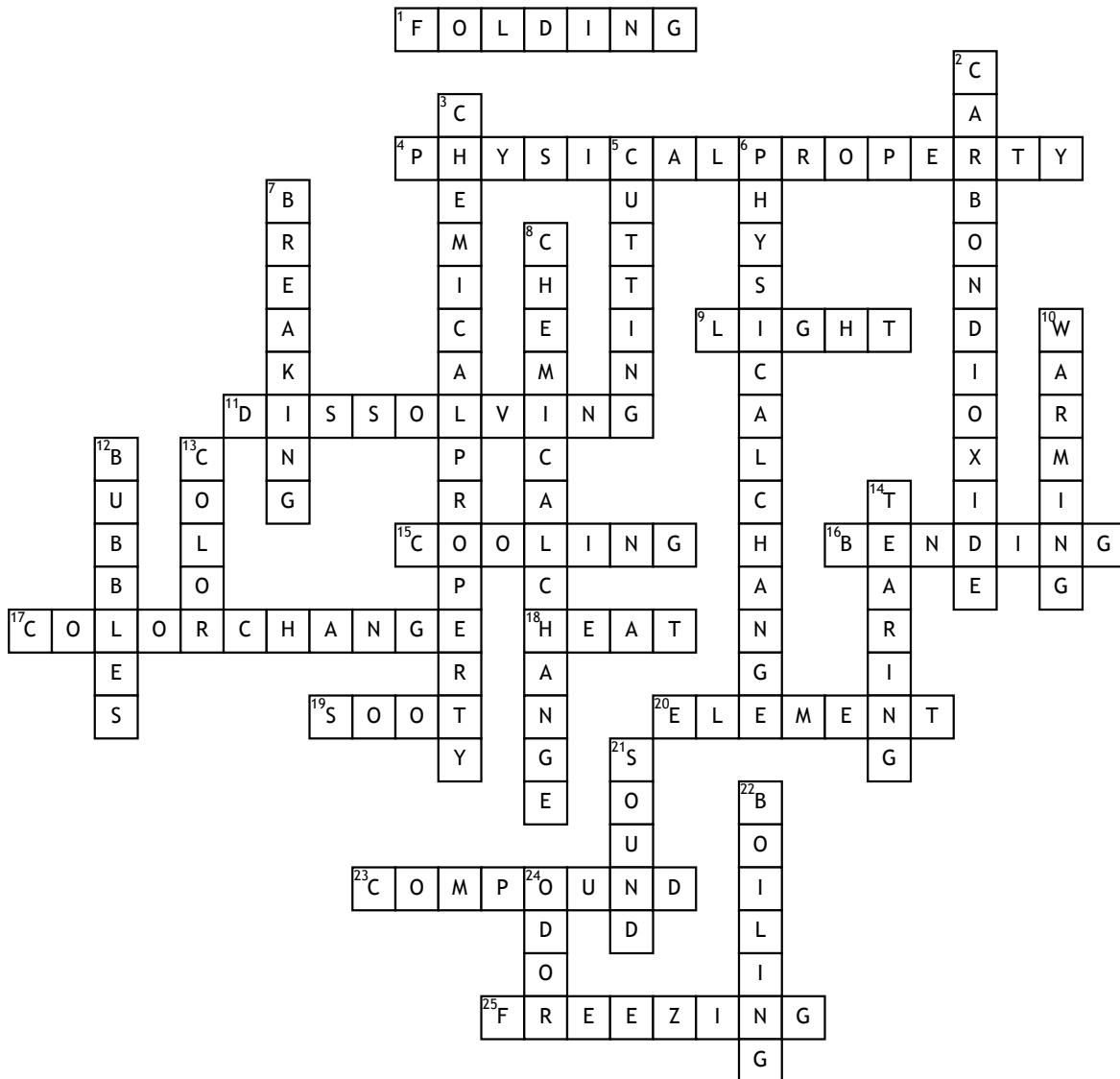


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Physical change vs Chemical change



## Across

1. Bend over on itself so that one part of it covers another
4. Characteristic that can be observed or measured without changing the composition
9. Something that makes things visible or affords illumination
11. To make a solution of, as by mixing with liquid
15. A falling temperature
16. Shape or force (something straight) into a curve or angle
17. Indicates a change in molecules
18. A form of energy associated with the movement of atoms and molecules in any material
19. Fine black particles produced by incomplete combustion of coal, oil, wood or other fuels

20. A part or aspect of something abstract, especially one that is essential or characteristic

23. A thing that is composed of two or more separate elements; a mixture

25. To pass from the liquid to the solid state by loss of heat

## Down

2. A colorless, odorless, gas produced by burning carbon and organic compounds and by respiration.

3. Ability of a substance to combine with or change into one or more other substances

5. The action of someone or something that cuts

6. Change in which no new substances are formed

7. Separate or cause to separate into pieces as a result of a blow, shock or strain

8. Any change that results in the formation of new chemical substances

10. A rising temperature

12. A nearly spherical film of liquid filled with air or gas

13. Change the color by painting, dyeing, or shading it

14. To pull apart so as to leave ragged or irregular edges

21. Vibrations that travel through the air or another medium and can be heard when they reach a person's or animal's ear

22. The action of bringing a liquid to the temperature at which it bubbles and turns to vapor

24. A distinctive smell, especially an unpleasant one