

Name: _____

Block: _____

Matter

For each of the following changes, state whether the change is chemical or physical.

1. water boiling
2. iron rusting
3. cooking an egg
4. breaking glass
5. tearing up a piece of paper
6. burning a piece of paper
7. making crushed ice in a blender
8. garbage turning into compost
9. leaves changing color

Classify the each of the following types of matter as a heterogeneous mixture, homogeneous mixture, compound, or element.

10. pure water (H_2O)
11. helium
12. chocolate-chip cookies
13. salt water
14. orange juice
15. 14-karat gold
16. carbonated soda
17. ice water (pure H_2O)
18. aluminum
19. chicken noodle soup
20. chicken broth
21. glucose ($\text{C}_6\text{H}_{12}\text{O}_6$)