Name:			
		Block:	

Temperature & Matter

Convert each of the following temperatures:

1.
$$27^{\circ}C =$$
_____K

2.
$$77 \,\mathrm{K} =$$
_____°C

3.
$$85^{\circ}C =$$
_____K

4.
$$1020 \,\mathrm{K} =$$
 °C

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

5. water boiling

10. burning a piece of paper

6. iron rusting

11. making crushed ice in a blender

7. cooking an egg

12. garbage turning into compost

8. breaking glass

13. leaves changing color

9. tearing up a piece of paper

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

14. pure water (H_2O)

20. carbonated soda

15. helium

21. ice water (pure H₂O)

16. chocolate-chip cookies

22. aluminum

17. salt water

23. chicken noodle soup

18. orange juice

24. chicken broth

19. 14-karat gold

25. glucose $(C_6H_{12}O_6)$