

HUM-FS # 4 Basic Chemistry Study Guide

Review the following terms:

1. Chemical change
2. Mixture
3. Elements
4. Chemistry
5. Inorganic compound
6. Heterogeneous mixture
7. Organic compound
8. Pure substance
9. Homogeneous mixture
10. Physical change

Classify the following food items from the food lab into Compounds, Elements, Organic, Homo & Heterogeneous Mixtures

11. calcium
12. baking soda
13. vinegar
14. sugar
15. table salt
16. tossed salad

Explain Physical and Chemical Changes below:

17. Which of the following involves a chemical change?
 - a. Combining baking soda and vinegar
 - b. Combining salt and water
 - c. Sweetening iced tea
 - d. Tossing a salad
18. Which of the following causes chemical changes in food?
 - a. Chopping
 - b. Cooking
 - c. Peeling
 - d. slicing
19. Chewing food is an example of a _____.
 - a. Chemical change
 - b. Physical change
 - c. Chemical and physical change
 - d. None of the above
20. In food preparation, an example of a physical change is _____.
 - a. Freezing punch in rings

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- b. Sautéing onions and peppers
 - c. Marinating meat
 - d. Baking a cake
21. Which of the following is an example of a chemical property?
- a. Boiling point
 - b. Corrosion
 - c. Freezing point
 - d. odor