

Matter Topic 1 Study Guide

1. What is the definition of matter?
2. What is the difference between a physical property and a chemical property?
3. Describe each of the following: atoms, elements, molecules, compounds, and mixtures.
4. What is the difference between a homogeneous mixture and a heterogeneous mixture?
5. What is the definition of mass? What is the definition of weight?
6. How is mass and weight measured?
7. What is the definition of volume?
8. How do you measure volume? (know the equation and the displacement method)
9. What is the definition of density?
10. What is the equation for density?
11. How can you use density to identify a substance?
12. What is the difference between a physical change and a chemical change?
13. Describe five examples of a physical change.
14. Describe five examples of a chemical change.
15. Why is the Law of Conservation of Mass important?