

Semester Exam Study Guide

Anything that you write on this study guide, you can use on the day of the exam.

1. What is matter?
2. What is the difference between physical and chemical properties? Give examples of each.
3. What is the difference between physical and chemical changes? Give examples of each.
4. How do you know if a change is physical or chemical?
5. What is the difference between elements, compounds and mixtures? Give examples of each.
6. How is the periodic table arranged?
7. What are metals, nonmetals, and metalloids?
8. What is the difference between groups and periods on the periodic table?
9. What information can be found in one square on the periodic table?
10. What are the different parts of an atom?
11. What does the atomic number tell you about the atom?
12. What does the atomic mass tell you about the atom?
13. How does an atom of one element differ from the atom of another element?
14. What are the differences between the three types of heat transfer? Give examples of how you would cook food with each type of heat transfer.
15. What are the difference forces that act on an airplane to make it fly?
16. What are Newton's three laws? Give examples of each in relation to flight.