

## **Physical Science- Semester 1 Study Guide**

### **Chapter 1- Nature of Science**

Scientific method	hypothesis	experiment
variable	constant	dependent variable
control	model	independent variable
theory	technology	scientific law
volume	mass	density
graph		

### **Chapter 18- Classification of Matter**

substance	element	heterogeneous mixture
compound	solution	homogeneous mixture
colloid	Tyndell effect	suspension
physical property	distillation	chemical property
physical change		chemical change
law of conservation of mass		

### **Chapter 19- Properties of Atoms & the Periodic Table**

atom	nucleus	proton
neutron	electron	quark
electron cloud	valance electron	atomic number
mass number	isotope	average atomic mass
periodic table	group	electron dot diagram
period		

### **Chapter 22- Chemical Bonds**

chemical formula	ion	noble gases
chemical bond	ionic bond	covalent bond
molecule	polar molecule	nonpolar molecule
binary compound	hydrate	oxidation number
polyatomic ion		

### **Chapter 23- Chemical Reactions**

chemical reaction	reactant	product
chemical equation	coefficient	balanced chemical equation
combustion reaction	synthesis	decomposition reaction
single-displacement reaction		double-displacement reaction
activation energy	catalyst	endothermic reaction
exothermic reaction	inhibitor	rate of reaction

# Physical Science Semester Study Guide

**Weston M. Stacey**



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