

## Introduction: Chemical Reactions

**Unit:** Chemical Reactions

**Topics covered in this chapter:**

Chemical Equations.....	364
Types of Chemical Reactions .....	368
Predicting the Products of Chemical Reactions.....	373
Activity (Reactivity) Series .....	378
Balancing Chemical Equations .....	381
Net Ionic Equations.....	389

**Standards addressed in this chapter:**

**Massachusetts Curriculum Frameworks & Science Practices (2016):**

**HS-PS1-2** Use the periodic table model to predict and design simple reactions that result in two main classes of binary compounds, ionic and molecular. Develop an explanation based on given observational data and the electronegativity model about the relative strengths of ionic or covalent bonds.

**HS-PS1-7** Use mathematical representations and provide experimental evidence to support the claim that atoms, and therefore mass, are conserved during a chemical reaction. Use the mole concept and proportional relationships to evaluate the quantities (masses or moles) of specific reactants needed in order to obtain a specific amount of product.

Use this space for summary and/or additional notes: