

Physical Science

Assignment Sheet Chapters 14 & 15

Chapter 14: An Introduction to Matter (pages 436-465)

I. Screencast Chapter 14 – An Intro to matter

Due: Mon 11/9

I. Reading Assignment #1

Due Mon 11/9

a. Read Section 14-1: Describing Matter: (pages 438-445)

b. Read Section 14-2: Measuring Matter (pages 446-452)

c. **Vocabulary** – Review the terms- no need to write down

Due Mon 11/9

d. 14-1: Describing Matter

b. 14-2, 14-3 and 14-4

1. Characteristic Property

6. Mixture

1. Weight

6. Atom

2. Boiling Point

7. Solution

2. Mass

7. Molecule

3. Melting Point

8. Pure Substance

3. SI

8. Chemical Bond

4. Physical Change

9. Element

4. Volume

9. Ore

5. Chemical Change

10. Compound

5. Density

II. Worksheets –

Due Tues 11/10

a. Metrics & Measurement (page 8)

(5 min)

b. Unit Conversions & Factor-Label Method (pg9)

(20 min)

c. Using Correct Units (page 10)

(3 min)

d. How Long is It? (page 2)

(2 min)

e. The Long & Short of it (page 3)

(2 min)

f. Celsius v Fahrenheit (page 4)

(2 min)

g. Reading a Double Pan Balance (page 6)

(5 min)

h. Reading a Triple Beam Balance (page 7)

(5 min)

i. Reading a Graduated Cylinder (page 8)

(5 min)

III. Worksheets –

Due Fri 11/13

a. Chemical vs Physical Properties (page 38)

(5 min)

b. Chemical vs Physical Changes (page 9)

(5 min)

c. Physical vs. Chemical Changes pg 19

(3 min)

d. Matter –Substance v Mixture pg 17

(3 min)

e. Elements, Compounds and Mixtures (page 10)

(5 min)

f. Homogeneous vs Heterogeneous (page 36)

(3 min)

g. Separation of Mixtures (page 40)

(30 min)

IV. Thanksgiving Break

Nov 19- Nov 23

V. Exam Chap 14

Wednesday November 28, 2018

Chapter 15: Changes in Matter (pages 456-497)

II. Screencast Chapter 15 – Changes in Matter

Due: Fri 11/20

VI. Reading Assignment #3

Due Fri 11/20

a. Read Section 15-1: Solids, Liquids and Gases: (pages 468-472)

b. Read Section 15-2: Measuring Matter (pages 473-479)

c. Read Section 15-3: Graphing Gas Behavior: (pages 480-483)

d. Read Section 15-4: Physical and Chemical Changes (pages 486-493)

VII. Vocabulary – Review- no need to write out

Due Fri 11/20

a. 15-1: Solids, Liquids and Gases

b. 15-2: Measuring Matter

1. Solid

6. Gas

1. Temperature

2. Crystalline Solid

7. Viscosity

2. Pressure

3. Amorphous Solid

8. Gas

3. Boyle's Law

4. Liquid

5. fluid

4. Charles Law

VIII. Worksheets

Due Fri 12/4

a. States of Matter Crossword (page 41)

(15 min)

e. Boyle's Law (page 20)

(20 min)

f. Charles's Law (page 21)

(20 min)

IX. Exam Chap 15

Wednesday December 19, 2018