

Answer Key Chapters 1 & 3

1.
 - A. True
 - B. True
 - C. False – Particles are far apart
 - D. False – Cannot be separated chemically
 - E. False – Heterogeneous

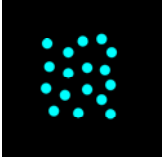
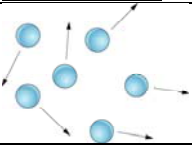
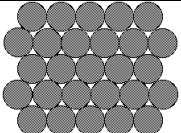
2.
 - A. S – Because it's not physically separable, has a fixed composition
 - B. M – Because it has a variable composition, it is physically separable
 - C. M – Because it is physically separable. Has a variable composition, different types of milk.
 - D. S – It is an element with a fixed composition. Elements are not separable.
 - E. M – Because it has a variable composition, there are many substances in the air.

3. Homogeneous mixtures are the same throughout including chemical properties, physical and it looks the same. Heterogeneous have different regions, different chemical and physical properties.

4. Fundamental substance that can not be broken down, chemically and physically

5. Two or more elements chemically combines/bonded chemically separable.

- 6.

	Shape	Volume	Picture
Liquid	Definite	Definite	
Gas	Indefinite	Indefinite	
Solid	Indefinite	Definite	

7. A compound is chemically separable, its two or more elements bonded together. An element is single and not chemically separable.