Test 1 Equations that you need to memorize

Chapter 1

|  |  |  |
| --- | --- | --- |
| Prefix | Symbol | Factor |
| nano | n |  |
| micro | μ |  |
| milli | m |  |
| centi | c |  |
| kilo | k |  |

Length

1 mile = 5280 feet

1 yard = 3 feet

1 foot = 12 inches

1 inch = 2.54 centimeters

Mass

1 kilogram = 2.2 pounds (approximately)

1 pound = 16 ounces

1 ton = 2000 pounds

Volume

1 mL = 1 cm3

1 liter = 1.06 quarts (approximately)

1 gallon = 4 quarts

1 quart = 2 pints

1 pint = 2 cups

1 cup = 8 (fluid) ounces

Chapter 2

The indicated common charges elements and indicated names of elements

|  |  |
| --- | --- |
| Name of Ion | Symbol |
| Ammonium |  |
| Acetate |  |
| Cyanide |  |
| Hydroxide |  |
| Chlorate |  |
| Perchlorate |  |
| Nitrite |  |
| Nitrate |  |
| Sulfite |  |
| Sulfate |  |
| Carbonate |  |
| Phosphite |  |
| Phosphate |  |

Chapter 3