

Chemistry 1210 Megan: Dr. Tangonan
Week 2. Session1

1. Identify whether each is a physical or chemical change.

- A. Ice melting- _____
- B. Leaves changing color- _____
- C. Souring milk- _____
- D. Rusting of iron- _____
- E. Crumpling paper- _____
- F. Chopping wood- _____

2. Perform the following calculation and write your answer with the correct number of significant figures.

A. $(63.7 + 7.6) \times 21.34 =$

B. $(4.9 + 3.21) + (10.6/2.123) =$

C. $(12.6 - 4.87) + 6.92 =$

3. Convert the following measurements and write your answer with correct Sig. Figs.

A. 7.89 meters to nanometers

B. 29.7 Kilo-meters to millimeters

C. 1256 microliters to milliliters

D. 2698 seconds to days

E. 37.8 m^2 to cm^2

4. Identify the number of significant figures in each number.

A. 0.000234

B. 670

C. 120.067

D. 32.0

5. Convert the following into scientific notation with three significant figures.

A. 630,000,000

B. 0.0025628

C. 23.5

D. 0.5