

Study Guide –Chapter 1

CHM1033. Summer 2020

Test # 1: Jun. 8th (1.4 on Chapter 1 and Chapter 2)

- Express the following numbers using scientific notation.
 - 351 000 000 000
 - 0.000 860
 - 5 207 000
 - 0.000 000 050
- True or False?
 - The decimal number 0.0000010 expressed in scientific notation is 1.0×10^6 _____
 - The decimal number 0.0210 expressed in scientific notation is 2.10×10^{-2} _____
 - The mass of an object, 4.55×10^{-3} g, expressed in decimal notation is 0.000455 g.

- What is each number in scientific notation?
 - 0.000000001
 - 0.143
 - 12450000
 - 0.00546

ANSWERS

1. a) 3.51×10^{11} b) 8.60×10^{-4} c) 5.207×10^6 d) 5.0×10^{-8}

2. a) F b) T c) F

3. a) 1×10^{-9}

b) 1.43×10^{-1}

c) 1.245×10^7

d) 5.46×10^{-3}