

Chapter 1 Reading Assignment: Measurement

Physical Science: Energy

Name _____ Period _____

Ch 1.1: Measurements

1. Define the following terms:
 - a. Measurement

 - b. Unit

 - c. English system

 - d. Accuracy

 - e. Precision

 - f. Resolution

2. Place these units in order from smallest to largest: decimeter, meter, kilometer, millimeter, centimeter, nanometer, micrometer.

3. How many bytes are in 1 gigabyte?

Ch 1.2: Time & Distance

1. Define the following terms:
 - a. Distance

Chapter 1 Reading Assignment: Measurement

Physical Science: Energy

Name _____ Period _____

b. Length

c. Meter

2. Which is larger? Circle the length that is the longest for each pair.

a. 42 mm or 10 cm

3.

a. 15 mm or 0.15 cm

4.

a. 10 mm or 2 cm

Ch 1.3: Converting Units

1. Define the following terms:

a. Significant digits

2. How many meters do you cover in a 10 km race?

3. Which of these measurements has three significant digits?

a. 29.3 cm

b. 290 cm

c. 0.029 cm

d. 290. cm

Ch 1.4: Measurement & graphing

1. Define the following terms:

a. Graph

b. Scatterplot (XY graph)

Chapter 1 Reading Assignment: Measurement

Physical Science: Energy

Name _____ Period _____

c. Independent variable

d. Dependent variable

e. Direct relationship

f. Inverse relationship