Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Science-6

Notes for Measurement

Measurement

1. Measurement is a way of describing the world using

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 a. Sometimes an exact measurement is needed.

i. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the degree of detail used in measuring

 (related to # of \_\_\_\_\_\_\_\_\_\_\_\_\_ places;

 10.095 is \_\_\_\_\_\_\_\_\_\_ precise than 10.1)

ii. Rounding can be used to adjust the degree of precision in a measurement

iii. Accuracy is how \_\_\_\_\_\_\_\_\_\_\_\_\_\_ a measurement is to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ value

 b. Sometimes an estimate can be used.

 i. when an exact # is not needed or hard to get

II. SI Units (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) provides a worldwide standard of measurement for Science

a. Some measurements can be directly measured using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 i. Length: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 ii. Mass: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 iii. Temperature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 iv. Weight: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 v. Liquid volume: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b. Some measurements must be calculated.

 i. Rates: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 ii. Volume of a rectangular solid: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_