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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_