

Name: _____

Module 5/ Units of Measurement

Worksheet - Key

1. Name the quantity measured by each of the following SI units and provide the SI symbol of the unit.

a. mole -

b. kilogram/ cubic meter -

c. second –

d. pascal –

e. meter –

f. kilogram –

2. Explain the difference between *mass* and *weight*.

3. What is the symbol and meaning of each prefix?

a. *milli-*;

b. *nano-*;

c. *deci-*;

d. *centi-*;

4. As you climbed a mountain and the force of gravity decreased, would your weight increase, decrease, or remain constant? How would your mass change?

5. What is the volume of a paperback book 21 cm tall, 12 cm wide, and 3.5 cm thick?

6. List these units in order, from largest to smallest.

a. 1 dm³

b. 1 μL

c. 1 mL

d. 1 L

e. 1 cL

f. 1 dL