LVN – 7th

ECQs 1-3 Measurement pgs. 16-26

I. A Standard Measurement System

ECQ1 – What number is the metric system based on?

ECQ2 – What is the name of the expanded metric system?

II. Length

ECQ3 – What is the basic unit of length?

ECQ4 – What other units are used?

ECQ 5 – *centi* – means _____ *milli-* means _____ *Kilo* – means _____

ECQ6 – What tool is used to measure length?

ECQ7 – Each centimeter is divided into _____ millimeters.

III. Weight and Mass

ECQ 8 – What does weight measure?

ECQ9 – Weight changes if _____ changes.

ECQ10 – Would you weigh the same on the moon?

ECQ11 – What is the definition of mass?

ECQ12 – Would your mass be the same on the moon?

ECQ13 – What is the SI unit of mass?

ECQ14 – What tool is used to measure mass? (look at figure 11)

IV. Volume

ECQ15 – What is the definition of volume?

ECQ16 – What is the SI unit of volume?

ECQ 17 – 1 mL = 1 _____

ECQ18 – What tool is used to measure liquid volume?

ECQ 19 – What is a meniscus?

ECQ 20 – Volume = _____ X _____ X _____

ECQ21 – How do you measure the volume of an irregular solid? (see figure 12)

V. Temperature

ECQ 22 – What temperature does water freeze at? Boil at?

ECQ 23 – What scales do scientists use?

ECQ24 – What is absolute zero?