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| **Date** | **Topic** | **Homework** | | |
| **CB** | **PA** | **H** |
| M – Sept 8 | Metric Conversions | 1.)a-c 2.)a-c | 1.)a-d 2.)a-d | 1.)a-f, 2.)a-f |
| T – Sept 9 | Lab: Rainbow Lab | Finish Rainbow Lab Conclusion Questions | | |
| W – Sept 10 | Lab: Gummy Bear Osmosis | 3.)a-d 4.)a-c 5.)a-b | 3.)a-f 4.)a-d 5.)a-d | 3.)a-h 4.)a-d 5.)a-d |
| Th – Sept 11 | Finish Gummy Bear Osmosis; Review | 6.)a-c 7.)all | 6.)a-d 7.)all | 6.)a-d 7.)all |
| F – Sept 12 | **Lab Practical Quiz** | Organize Notebook | | |

**Do not write your answers on this sheet. Only answers written in your notebook will be graded.**

1. Write the measurement in scientific notation:
   1. 20,200 gallons
   2. 0.033 g
   3. 600 L
   4. 0.000505 km
   5. 8,000,000,000 m
   6. 5 g
2. Write each measurement in standard notation:

a. 2.44 x 103 mL

b. 7.8 x 10-3 cm

c. 1.001 x 106 g

d. 5.2 x 1010 m

e. mass of earth: 5.97 x 1024 kg

f. mass of a hydrogen atom: 1.67 x 10-24 g

1. Determine if the following items are made of matter or not. Explain your answer.
   1. Air e. Space between earth’s atmosphere and the moon
   2. Paper f. Wifi
   3. Light g. Sound
   4. Toothpaste h. Gravity
2. Convert each quantity into the desired unit:
   1. 4.91 kg of sulfur in grams
   2. 0.020 km of tin in meters
   3. 3 daL of saline solution in liters
   4. 0.5 hg of sodium in grams
3. Which of the quantities is **larger:**
   1. 1 mg or 1 g
   2. 1 dm or 1 cm
   3. 100 m or 1km
   4. 1L or 100 mL
4. Convert each quantity into the desired unit:
   1. 0.0025 g of vitamin A in milligrams
   2. 150 mg of aspirin in grams
   3. 5.2 cm of magnesium ribbon in millimeters
   4. 1.60 mL of ethanol in kiloliters
5. How many times larger is 1 liter than:
   1. 1 dL
   2. 1 cL
   3. 1 mL