**GPS – Measurement**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_

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| ***Bellwork*** |
| Bellwork: What are the steps to the scientific method? Why is it important to make good observations? Image result for galileo flocabulary |
| 1. What are some things you measure in your daily life? Why? |
| 2. What are some things we measure in science? |
| 3. Let’s hear what Bill Nye has to say about measurement. ☺ |

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| Notes |
| 4. Why is it important to have a standard system of measurement? |
| ***Systeme Internationale (SI Units)***   |  |  |  | | --- | --- | --- | | ***Quantity*** | ***Name*** | ***Symbol*** | | Length | Meter |  | | Mass | Kilogram |  | | Time | Second |  | | Electric current | Ampere |  | | Temperature | Kelvin |  | | Amount of matter | Mole |  | | Luminous intensity | Candela |  |   ***Derived Units***   |  |  |  | | --- | --- | --- | | ***Quantity*** | ***Name*** | ***Symbol*** | | Area (l x w) | Square meter |  | | Volume (l x w x h) | Cubic meter |  | | Volume of LIQUID | Milliliter |  | | Speed | Meter per second |  | | Density | Kilogram per cubic meter |  | |  | Gram per cubic centimeter |  | |  | Gram per milliliter |  | |
| 5. King Henry Died by Drinking Chocolate Milk  kilo hecta deka BASE deci centi milli  meter, liter, gram  1000 100 10 1 0.1 0.01 0.001 |
| 6. Practice identifying ***units*** and type of quantity! Write the unit or quantity that matches.   1. Unit to measure a cup of water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. Unit to measure speed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. Unit to measure matter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. Quantity measured in kilograms \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. Quantity measured in Kelvin \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. Unit to measure time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7. Unit to measure area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8. Quantity measured in moles \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9. Quantity measured amperes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 10. Quantity measure in g/ml \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Work on the next few sheets independently to prepare for our lab tomorrow! |