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

**0.1 SI Units & Prefixes Notes**

Use your textbook to fill out the following notes.

What page is it? See if you can figure it out without asking me (I can think of at least 3 ways!)

SI Base Units

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit** | **Abbreviation** | **What it measures** | **Symbol** |
| Meter |  |  |  |
| Kilogram |  |  |  |
| Second |  |  |  |
| Kelvin |  |  |  |
| Mole |  |  |  |

Explain: what is a prefix?

SI Prefixes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prefix** | **Abbreviation** | **Meaning** | **Example Using Length** | **Example Without Decimals** |
| *Mega-* |  |  |  |  |
| *Kilo-* |  |  |  |  |
| *Deci-* |  |  |  |  |
| *Centi-* |  |  |  |  |
| *Milli-* |  |  |  |  |
| *Micro-* |  |  |  |  |

What is a *derived unit*?

Examples:

$m^{3}=$ $N=$ $mL=$

Tools & Instruments

What tool(s) can you use to measure length?

Mass?

What’s the difference between mass & weight?

What can you use to measure volume?

Surface Area?

Appropriate Units

What unit would you use if you were measuring…

the width of this room?

the distance to Wal-Mart?

the mass of your table?

the mass of a paper clip?

The first quiz is on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.