**SI Units**

**Directions:** Write the name of the SI unit and the SI abbreviation for each measured quantity. (14 points)

|  |  |
| --- | --- |
| ***length*** | name of unit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  abbreviation \_\_\_\_\_ |
| ***amount of substance*** | name of unit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  abbreviation \_\_\_\_\_ |
| ***time*** | name of unit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  abbreviation \_\_\_\_\_ |
| ***temperature*** | name of unit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  abbreviation \_\_\_\_\_ |
| ***luminous***  ***intensity*** | name of unit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  abbreviation \_\_\_\_\_ |
| ***electric***  ***current*** | name of unit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  abbreviation \_\_\_\_\_ |
| ***mass*** | name of unit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  abbreviation \_\_\_\_\_ |

**SI Prefixes**

**Directions:** Write the abbreviation of each SI prefix and its exponential factor. (26 points)

|  |  |  |
| --- | --- | --- |
| ***prefix name*** | ***abbreviation*** | ***exponential factor*** |
| ***femto*** |  |  |
| ***pico*** |  |  |
| ***nano*** |  |  |
| ***micro*** |  |  |
| ***milli*** |  |  |
| ***centi*** |  |  |
| ***deci*** |  |  |
| ***deka*** |  |  |
| ***hecto*** |  |  |
| ***kilo*** |  |  |
| ***mega*** |  |  |
| ***giga*** |  |  |
| ***tera*** |  |  |