

Name: \_\_\_\_\_ Period: \_\_\_\_\_  
Instructor: Mr. Rodriguez Course: Conceptual Physics A  
Term: Winter 2024-25

## Midterm Exam

Be sure to show your work, include units when appropriate, and box your answers.

### Learning Standard 1

*Scientific Measurement and Estimation*

Score: \_\_\_\_\_ /10

Grade:

Prefix	Symbol	Meaning	Expanded Form	Scientific Form
giga-	G	one billion	1,000,000,000	$\times 10^9$
mega-	M	one million	1,000,000	$\times 10^6$
kilo-	k	one thousand	1,000	$\times 10^3$
hecto-	h	one hundred	100	$\times 10^2$
–	–	one	1	$\times 10^0$
centi-	c	one hundredth	0.01	$\times 10^{-2}$
milli-	m	one thousandth	0.001	$\times 10^{-3}$
micro-	$\mu$	one millionth	0.000001	$\times 10^{-6}$
nano-	n	one billionth	0.000000001	$\times 10^{-9}$

**Table 1:** Metric Prefixes Conversion Chart

- (1 point) In your own words, provide at least **two** reasons as to why the metric system is useful to scientists.

Learning Standard 2		
<i>Linear Motion</i>	Score: _____ /10	Grade:

Learning Standard 3

*Newton's Laws and Forces*

**Score:** \_\_\_\_\_ /10    **Grade:**

Learning Standard 4

*Momentum*

Score: \_\_\_\_\_ /10      Grade: