

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Conceptual Physics

Mr. Goddard

Final Assessment

# *The ABCs of Physics*

Exam Date: Thursday, January 26<sup>th</sup>, 7:25 AM

You will be creating an ABC book of physics for all the topics covered in Conceptual Physics. For each letter you choose, find a physics term (variable, unit, concept) that begins with that letter and include the following information about that term:

- The term that you are using for the letter (1 point)
- 2-3 sentences that **accurately** describes the term (2 points)
- A real-world example of the term (1 point)
- A formula that includes your term and/or a picture illustrating the term. (1 point)

**You must do this for a minimum of 20 letters of the alphabet.** You can only use one term for each letter of the alphabet but you may include more than 20 letters for extra credit. You can use any physics term from the entire year, including the first half of the year. You may use all of the resources in Google Classroom, textbook and our website. While you may research the terms and their descriptions ahead of time, you **MAY NOT** write them out ahead of the scheduled exam period. You will be expected to fill out the ABC Book during the scheduled exam period.

Here is an example of what you need to do for each letter:

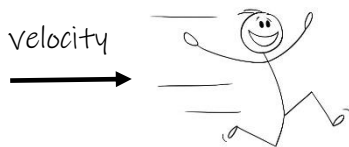
Letter: V

Term: Velocity

Description: Velocity is the rate at which an object changes its position. Velocity is a vector which means that it has a direction as well as a speed. Velocity can be determined by dividing the distance an object travels by the time it takes to travel that distance.

Real World Example: The person runs with a high velocity.

Formula and/or Picture:  $v = \frac{d}{t}$



Letter: **A**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **B**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **C**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **D**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **E**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **F**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter:

**G**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **H**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **I**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **J**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **K**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **L**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **M**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **N**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:



Letter: **O**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **P**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **Q**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **R**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **S**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **T**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **U**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

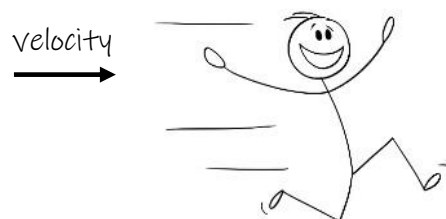
Letter: **V**

Term: Velocity

Description: Velocity is the rate at which an object changes its position. Velocity is a vector which means that it has a direction as well as a speed. Velocity can be determined by dividing the distance an object travels by the time it takes to travel that distance.

Real World Example: The person runs with a high velocity.

Formula and/or Picture:



Letter: **W**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **X**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

Letter: **Y**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

---

Letter: **Z**

Term: \_\_\_\_\_

Description:

Real World Example:

Formula and/or Picture:

## Scoring Guide / Rubric

Letter	Term (1 point/ letter)	Description (2 points/ letter)	Example (1 point/ letter)	Formula/Picture (1 point/ letter)
A				
B				
C				
D				
E				
F				
G				
H				
I				
J				
K				
L				
M				
N				
O				
P				
Q				
R				
S				
T				
U				
V	1	2	1	1
W				
X				
Y				
Z				
Totals:				

Total Score: \_\_\_\_\_ / 100