

# Unit 1 Do Nows

**Essentials of Physics**

# Physics Essentials

## Do Now

Unit 1 Day 1

Look at the numbers below:

0.0000000006 meters

6,000,000,000,000 liters

Why are these difficult to read?

Do you know a better way we can write them?

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# Unit 1 Menu

Expectations:

- Choose your components every day
- Work quietly by yourself or with your group members only
- Any components not completed are homework
- Be ready to review the next day

# Physics Essentials

## Do Now

Unit 1 Day 3

Convert the following into scientific notation...

1) 0.0008

2) 14,000,000

3) 0.000 000 007

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# Binder Organization

**Take out your binder...**

- 1) Menu in front
- 2) All components from oldest to newest
- 3) Notes must be labeled and organized into the unit
- 4) Do Nows and Stamp Sheet in the BACK

**2 Content Elements (Notes)**

**2 Scientific Notation Practice**

## Scientific Notation Stations

- 1) Label paper “Scientific Notation Stations”
- 2) Fold into 4s
- 3) Label each box (Station #1, Station #2, etc)
- 4) Complete as many station as you can in the class hour!

**Complete 2 Practice Sheets for HOMEWORK!**

# Essentials of Physics DO NOW

Unit 1 Day 4

Determine whether the following is in proper scientific notation and WHY.

1)  $9.1 \times 10^7$

2)  $0.006 \times 10^9$

3)  $80.0 \times 10^8$

4)  $6.0 \times 8^{10}$

5)  $6.0 \times 10^8$

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# Essentials of Physics DO NOW

Unit 1 Day 5

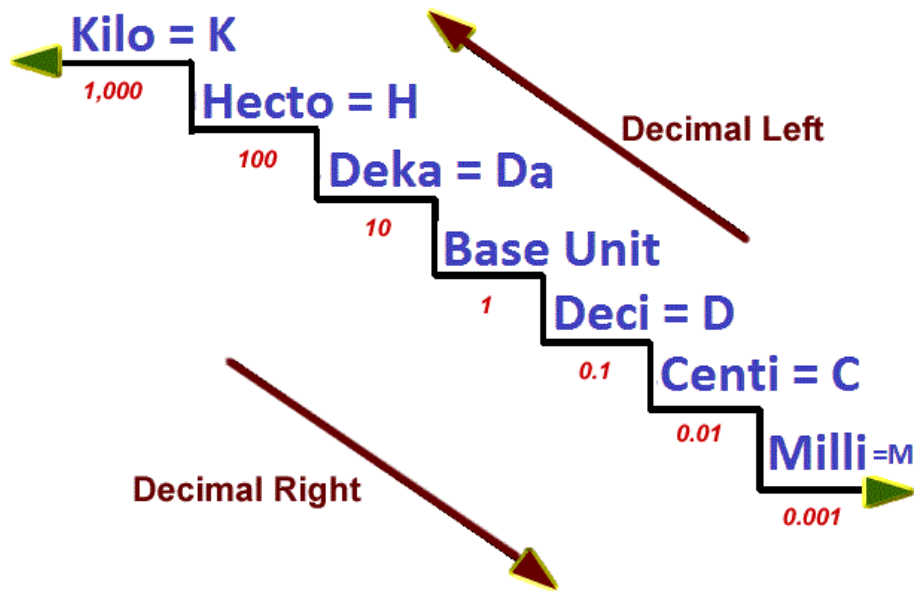
- 1) What are three of the base units in the metric system?
  - 2) Name at least three different prefixes in the metric system.
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# Organizing your Binder

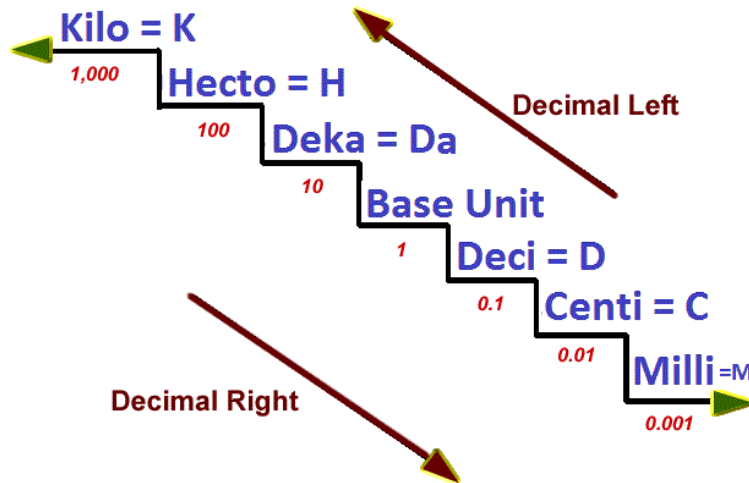
Oldest to Newest!

- 1) MENU
  - 2) Scientific Notation Content (2)
  - 3) Scientific Notation Practice (2)
  - 4) Scientific Notation Stations (1)
  - 5) Metric System Content (2)
  - 6) Metric System Practice (2) (TODAY)
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# Essentials of Physics DO NOW

## Unit 1 Day 6



1) Use your metric ladder to  
convert...

a)  $1000 \text{ m} = \text{_____ km}$

b)  $700 \text{ cL} = \text{_____ L}$

c)  $15 \text{ g} = \text{_____ kg}$

d)  $400,000 \text{ ml} = \text{_____ kl}$

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# Essentials of Physics DO NOW

Unit 1 Day 7

- 1) Get out your Metric Olympics Lab
- 2) Turn to Page 1
- 3) Read the situations and make your Estimates in the first column

(Change paper plate discuss to napkin discuss)

# Essentials of Physics DO NOW

Unit 1 Day 8

- 1) How many points is your binder check?
- 2) When is your binder check and test?
- 3) Do you feel like your binder is organized? Why or why not?

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# Binder Check Organization

Organize using the list to the right. Have a friend or Ms. Logan check.

-Menu

- 2 Sci Not Content (Notes)

-2 Sci Not Practice

-1 Sci Not Stations

-Metric System Ladder

- 2 Metric Content (Notes)

-2 Metric Practice

-1 Metric System Lab

# Catch Up Day Post-It Note

List ALL Activities you need to finish in order...

Then write “Review”

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# Catch Up Day

- 1) Complete any unfinished choice activities on your post-it note
  - 2) Work on review questions on the Review Doc on Google Classroom with a White Board or on blank paper
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# Essentials of Physics DO NOW

Unit 1 Day 9

- 1) Take out your binder.
  - 2) Remove your Metric Ladder from your binder
  - 3) Put your binder on Ms. Logan's side desk
  - 4) Make sure you have a **pencil** and a ruler at your desk.
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# Essentials of Physics Unit 1 Test

- 1) Complete your test
- 2) Turn in test to the turn in bin and ruler to Ms. Logan

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