

## Eighth Grade Science Midterm Study Guide

Know the steps of the **scientific method**: Purpose, Research, Hypothesis, Experiment, Analysis, Conclusion (Purple cubs have exciting amazing cubs)

**Independent variable** – is the one condition that you change in an experiment

**Dependent variable** – the the variable that is changed because of the independent variable . Metric system:

You will also have a few problems on SI- Metric System

### King Henry Died Unusually Drinking Chocolate Milk

Kilo\_\_\_\_ Hecto\_\_\_\_ Deca\_\_\_\_ unit\_\_\_\_ deci\_\_\_\_ centi\_\_\_\_ milli\_\_\_\_

Liter --- Meter ----- Gram

#### Samples:

$$600 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$$

$$0.35 \text{ liters} = \underline{\hspace{2cm}} \text{ mL}$$

$$1.050 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

$$80 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$$

$$1 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$$

$$1 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

**1.Average Speed** = divide the total distance by the total time.

Ex:  $45\text{km} + 15 \text{ km} = 60 \text{ km}$  (total distance)  
 $3 \text{ hr} + 2 \text{ hr} = 5 \text{ hr}$  (total time)

$$\frac{60 \text{ km}}{5 \text{ hr}} = 12 \text{ km/h}$$

**2.Instantaneous Speed** - the rate at which an object is moving at a given instant of time.

**3.Velocity** – speed in a given direction

The **velocity** of an object gives both speed and direction.

4.The rate at which on object moves is called **speed**.

# 8th Grade Advanced Science Midterm Study Guide

**D Siedentop**



## **8th Grade Advanced Science Midterm Study Guide:**

## Whispering the Techniques of Language: An Emotional Quest through **8th Grade Advanced Science Midterm Study Guide**

In a digitally-driven earth wherever screens reign great and immediate transmission drowns out the subtleties of language, the profound secrets and psychological subtleties hidden within phrases usually move unheard. However, located within the pages of **8th Grade Advanced Science Midterm Study Guide** a captivating fictional prize sporting with organic feelings, lies an exceptional quest waiting to be undertaken. Penned by a talented wordsmith, this wonderful opus invites readers on an introspective trip, delicately unraveling the veiled truths and profound affect resonating within the material of every word. Within the emotional depths of this touching review, we shall embark upon a genuine exploration of the book's core themes, dissect its fascinating publishing fashion, and succumb to the effective resonance it evokes serious within the recesses of readers hearts.

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