

This file was downloaded from the American Curriculum website



الملف Worksheet Advanced about Physics Revision

[Almanahj Website](#) → [American curriculum](#) → [9th Grade](#) → [Physics](#) → [Term 1](#) → [The file](#)

More files for 9th Grade , Subject Physics , Term 1

<a href="#">Worksheet about Physical Science</a>	1
<a href="#">Worksheet about Physical Science</a>	2
<a href="#">Worksheet about Thermal physics</a>	3
<a href="#">Test about Physical Science</a>	4
<a href="#">Worksheet about Physical Weathering</a>	5
<a href="#">Worksheet about Physical vocabulary</a>	6
<a href="#">Worksheet about Physical Properties of Materals</a>	7

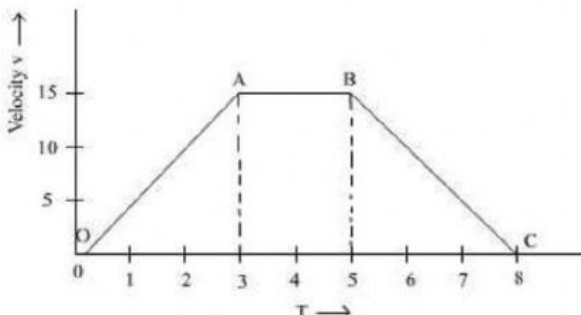
## G9 Physics Chapter 1 - Revision Problems

### Multiple Choice Questions.

<b>Q1.</b>	What is the unit for speed?
<b>a.</b>	m/s
<b>b.</b>	N
<b>c.</b>	kg
<b>d.</b>	s

<b>Q2.</b>	What is the unit for time?
<b>a.</b>	m/s
<b>b.</b>	N
<b>c.</b>	kg
<b>d.</b>	s

<b>Q3.</b>	How many meters are in 2 km?
<b>a.</b>	2
<b>b.</b>	20
<b>c.</b>	2000
<b>d.</b>	2500

<b>Q4.</b>	 <p>During which stage of the graph is the car accelerating?</p>
<b>a.</b>	0 - A
<b>b.</b>	B - C
<b>c.</b>	A - B
<b>d.</b>	0 - C

<b>Q5.</b>	The factor that is changed during an investigation is the _____ variable.
<b>a.</b>	Independent
<b>b.</b>	Dependent
<b>c.</b>	Control
<b>d.</b>	Constant

<b>Q6.</b>	How many significant figures are in 3.003?
<b>a.</b>	1
<b>b.</b>	2
<b>c.</b>	3
<b>d.</b>	4

<b>Q7.</b>	A factor that is kept the same during an investigation is a _____ variable.
<b>a.</b>	Independent
<b>b.</b>	Dependent
<b>c.</b>	Controlled
<b>d.</b>	Constant

<b>Q8.</b>	How many seconds are in 2 days?
<b>a.</b>	3600 s
<b>b.</b>	7200 s
<b>c.</b>	86400 s
<b>d.</b>	172800 s

<b>Q9.</b>	An error that is caused due to a fault in a measuring device is known as _____ error.
<b>a.</b>	an instrument
<b>b.</b>	a measurement
<b>c.</b>	a random
<b>d.</b>	a systemic

<b>Q10.</b>	What is the purpose of an experiment?
<b>a.</b>	To communicate data
<b>b.</b>	To test a hypothesis
<b>c.</b>	To prove a scientific law
<b>d.</b>	To prove a scientific theory

<b>Q11.</b>	The steps used by scientists to solve problems and uncover facts is the _____.
<b>a.</b>	testing method.
<b>b.</b>	scientific method.
<b>c.</b>	system method.
<b>d.</b>	question method.

<b>Q12.</b>	<p>The table below shows the steps of the scientific method in the wrong order. Which sequence shows the steps of the scientific method in the correct order?</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;"><b>Scientific Method</b></th> </tr> <tr> <th style="text-align: center;"><b>Step</b></th> <th style="text-align: center;"><b>Description</b></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td>Form hypothesis</td> </tr> <tr> <td style="text-align: center;">B</td> <td>Analyze data</td> </tr> <tr> <td style="text-align: center;">C</td> <td>Perform experiment</td> </tr> <tr> <td style="text-align: center;">D</td> <td>Communicate results</td> </tr> <tr> <td style="text-align: center;">E</td> <td>Ask question</td> </tr> </tbody> </table>	<b>Scientific Method</b>		<b>Step</b>	<b>Description</b>	A	Form hypothesis	B	Analyze data	C	Perform experiment	D	Communicate results	E	Ask question
<b>Scientific Method</b>															
<b>Step</b>	<b>Description</b>														
A	Form hypothesis														
B	Analyze data														
C	Perform experiment														
D	Communicate results														
E	Ask question														
<b>a.</b>	A, C, E, D, B														
<b>b.</b>	E, A, C, B, D														
<b>c.</b>	A, E, D, C, B														
<b>d.</b>	E, C, A, B, D														

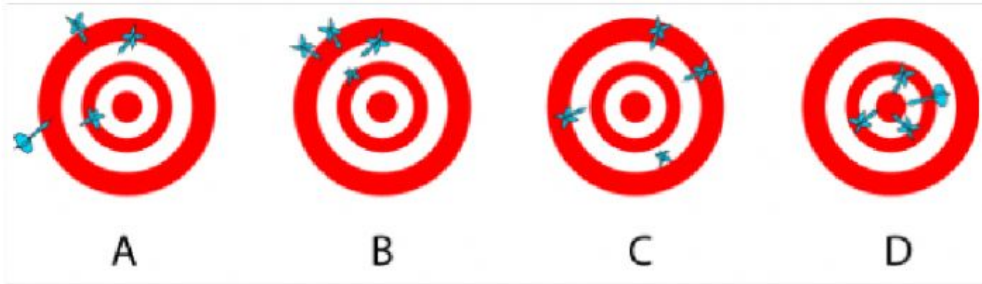
<b>Q13.</b>	<p>Ahmed notices that his shower is covered in a brown slime. He decides to spray half of the shower with pineapple juice, thinking this will remove the slime. He sprays the other half of the shower with water. After 3 days of "treatment," the brown slime on the pineapple juice side of the shower is gone. What is the dependent variable in his experiment?</p>
<b>a.</b>	amount of pineapple juice
<b>b.</b>	Ahmed
<b>c.</b>	removal of the brown slime
<b>d.</b>	water sprayed on shower

<b>Q14.</b>	Of the following numbers: 0.0034 m, 45.6 m, and 1234 m, _____ is the least precise.
<b>a.</b>	0.0034 m
<b>b.</b>	45.6 m
<b>c.</b>	1234 m
<b>d.</b>	None

<b>Q15.</b>	Estimate the order of magnitude of the length of a football field.
<b>a.</b>	$10^{-1}$ m
<b>b.</b>	$10^2$ m
<b>c.</b>	$10^4$ m
<b>d.</b>	$10^6$ m

Constructed Response Questions.

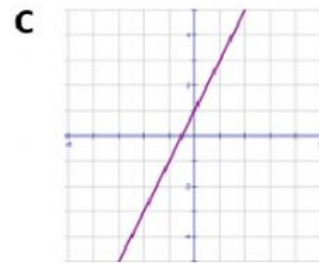
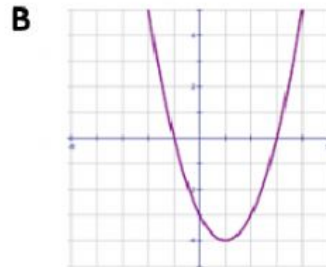
Q1



a. Look at the dart boards in the above image and decide whether the darts are accurate or precise by completing the table below.

Dartboard	Accurate (Yes/No)	Precise (Yes/No)
A		
B		
C		
D		

b. Determine if the graph is linear or nonlinear. If it is linear, is it increasing or decreasing?



A =

B =

C =