



Setting Tests in Isaac Physics



Choosing tests

The screenshot shows the Isaac Physics website interface. At the top, the Isaac logo is on the left, followed by the tagline "Physics. You work it out." and a green circular badge indicating a "Streak: 105". On the right, the user is logged in as "HELLO NICK" with links for "MY ACCOUNT" and "LOG OUT".

Below the header is a navigation bar with four tabs: "My Isaac", "Teach", "Learn", and "Events". The "Teach" tab is selected and highlighted with a black border. A dropdown menu is open from the "Teach" tab, listing several options: "Teacher Features", "Manage Groups", "Set Assignments", "Assignment Progress", "Set Tests", and "Manage Tests". The "Set Tests" option is highlighted with a red rectangular border.

On the left side of the page, there is a section titled "Master Physics by Solving Problems from School to Univer" (partially visible). Below this title, it says "Welcome to Isaac Physics, the fr" (partially visible) "for teachers and students." followed by a bulleted list:

- Use it in the **classroom**
- Use it for **homework**
- Use it for **revision**

Below the list, it says "Show me resources for...". At the bottom, there are three green buttons labeled "11-14", "GCSE or equivalent", and "A Level or equivalent".

On the right side, there is a video player with a red play button icon. The video title is "Why use Isaac Physics?" and the video description is "Why do teachers and students love u" (partially visible).

... Energy test?

Set Tests

Help

Set Tests

[Manage Tests](#)

The following tests are available to set to your groups.

energy

Step Up Energy and Balance Review Test	Set Test	Preview >
Step Up Energy and Balance Review Test (Short)	Set Test	Preview >
Year 10 Energy Test <small>visible to students</small>	Set Test	Preview >
Year 10 Internal Energy, Gases and Density Test	<div>visible to students</div> Set Test	Preview >
Year 10 Trilogy Energy Test <small>visible to students</small>	Set Test	Preview >
Year 10 Trilogy Thermal Energy and Density Test	<small>visible to students</small> Set Test	Preview >

[CLOSE](#)

Setting test 'Step Up Materials and Forces Review Test (Short)'

Set test to the following groups:

Z-test



Set an optional due date:



What level of feedback should students get:

Select...



No feedback

Overall mark

Mark for each test section

Detailed feedback on each question

No feedback

My Tests

[In Progress Tests](#)

Completed Tests

Step Up Materials and Forces Review Test (Short)

Set: 26/10/2022 by N. Davies

Completed: 26/10/2022

No feedback available

Year 10 Trilogy Energy Test

Freely attempted

Completed: 06/07/2021

View Feedback

Year 10 Motion Test

Freely attempted

Completed: 28/09/2021

View Feedback

[CLOSE](#)

Setting test 'Step Up Materials and Forces Review Test (Short)'

Set test to the following groups:

Z-test



Set an optional due date:



What level of feedback should students get:

Select...



No feedback

Overall mark

Mark for each test section

Detailed feedback on each question

Overall mark

Step Up Materials and Forces Review Test (Short) Feedback

Set by: N. Davies

Completed: 26/10/2022

Instructions

This is a review test on Materials and Forces which can be used after studying the Materials and Forces chapter Physics's Step Up to GCSE Physics book. We advise that students have already completed the Review Questions to practise for this test.

If the question does not tell you differently you should give your answers to these questions to 2 or 3 significant figures.

Your mark is 3 / 5

[CLOSE](#)

Setting test 'Step Up Materials and Forces Review Test (Short)'

Set test to the following groups:

Z-test



Set an optional due date:



What level of feedback should students get:

Select...



No feedback

Overall mark

Mark for each test section

Detailed feedback on each question

Mark for each section

Step Up Materials and Forces Review Test (Short) Feedback

Set by: N. Davies

Completed: 26/10/2022

Instructions

This is a review test on Materials and Forces which can be used after studying the Materials and Forces chapter of Physics's Step Up to GCSE Physics book. We advise that students have already completed the Review Questions before practising for this test.

If the question does not tell you differently you should give your answers to these questions to 2 or 3 significant figures.

Overall mark	3 / 5
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Section mark breakdown	
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Density & Floating	1 / 2
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Springs	2 / 2
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Pressure	0 / 1
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[CLOSE](#)

Setting test 'Step Up Materials and Forces Review Test (Short)'

Set test to the following groups:

Z-test



Set an optional due date:



What level of feedback should students get:

Select...



No feedback

Overall mark

Mark for each test section

Detailed feedback on each question

Detailed feedback on each section

Density & Floating

Help

GCSE ▾

Show instructions

Calculate the mass of the gas in a 1500 m^3 balloon. The density of the gas is 1.1 kg/m^3 .

Value

1650

Unit

kg

Correct!

Calculate the volume of the salt in a 451 g packet of salt. Salt has a density of 2.2 g/cm^3 .

Value

205

Units

Incorrect

You did not choose any units. To give an answer with no units, select "None".

As you can see the tests can switch from supplying units to **not supplying** units,

which caught me out!

Useful tips where students have gone wrong

A cyclist on a bike has a total (bike + cyclist) weight of 800 N. The contact area of each wheel with the ground is 4.0 cm^2 . Calculate the pressure on the ground.

Value

200



Units

N/cm^2

Incorrect

Bear in mind there are two wheels.

Can students do tests again?

My Tests

[Help](#)[In Progress Tests](#)[Completed Tests](#)[Practice Tests](#)

Test

Error loading test!

Free attempts are not available for test quiz.

Step Up Force and Motion Review Test

[Take Test](#)

Step Up Force and Motion Review Test (Short)

[Take Test](#)

Step Up Materials and Forces Review Test

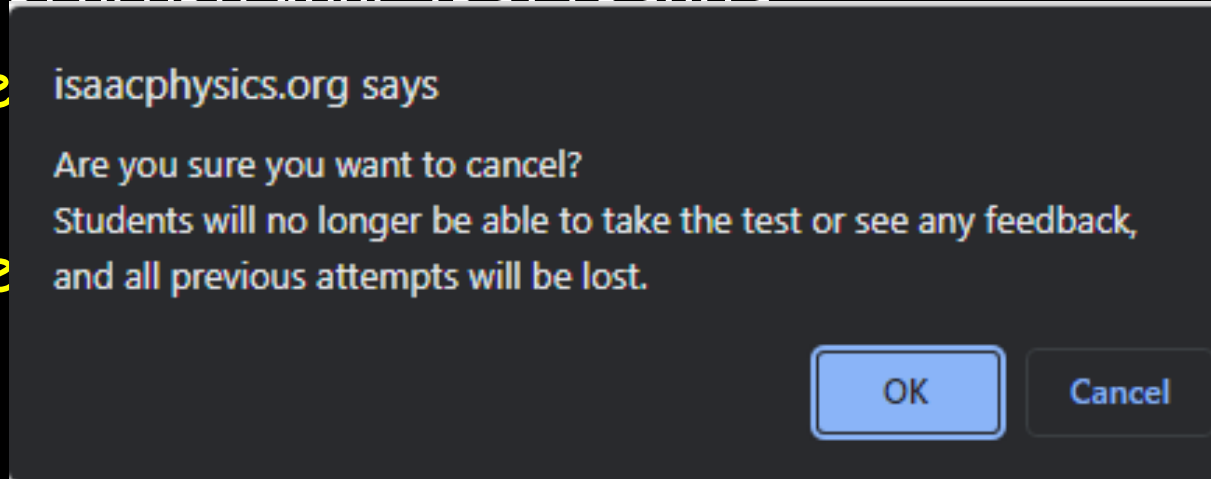
[Take Test](#)

Export as CSV

Test (Year 10 Motion Test) Results: Downloaded on Wed Oct 26 12:24:33 UTC 2022								
Generated by: Nick Davies								
		Complete	Correct	Incorrect	Not Atten	Year 10 M	Year 10 M	Yes
student	1	yes	4	6	0	Correct	Incorrect	Inc
student	2	yes	8	2	0	Correct	Correct	Inc
student	3	yes	8	2	0	Correct	Correct	Inc
student	4	yes	6	1	3	Correct	Correct	Co
student	5	yes	8	2	0	Correct	Correct	Co
student	6	yes	10	0	0	Correct	Correct	Co
student	7	yes	10	0	0	Correct	Correct	Co
student	8	yes	8	2	0	Correct	Correct	Co
student	9	yes	9	1	0	Correct	Correct	Co
student	10	yes	7	3	0	Correct	Correct	Inc
student	11	yes	7	3	0	Correct	Correct	Co
student	12	yes	5	5	0	Correct	Incorrect	Co
student	13	yes	9	1	0	Correct	Correct	Co
student	14	yes	6	4	0	Correct	Correct	Co
student	15	yes	9	1	0	Correct	Correct	Co
student	16	yes	10	0	0	Correct	Correct	Co

Cancelling tests

- Once you have recorded your test results
- Go to **manage tests**
- Select the test
- Select **cancel test**



Students can now do the tests again by themselves

