

# Yr11 CSP1: Physics Mock Review **FOUNDATION**

Name..... Class.....

Q	Content tested (tick if you scored marks)	My score
1	<input type="checkbox"/> Interpreting velocity/time graphs <input type="checkbox"/> Using the equation $F = m \times a$	out of .....
2	<input type="checkbox"/> Interpreting energy transfer diagrams <input type="checkbox"/> Calculating efficiency <input type="checkbox"/> Advantages and disadvantages of energy resources <input type="checkbox"/> Using the equation $KE = \frac{1}{2} \times m \times v^2$	out of .....
3	<input type="checkbox"/> How ions are formed <input type="checkbox"/> Forms of ionising radiation <input type="checkbox"/> Properties of different forms of radiation including penetration ability, harm and sources of nuclear radiation <input type="checkbox"/> Calculating ratios including using standard form	out of .....
4	<input type="checkbox"/> Typical speeds of everyday objects <input type="checkbox"/> Calculating gravitational potential energy changes <input type="checkbox"/> Using a rearranged form of $v^2 - u^2 = 2 \times a \times x$ <input type="checkbox"/> Analysing investigations involving motion of trolleys	out of .....
5	<input type="checkbox"/> Colours of visible light and their relative wavelengths <input type="checkbox"/> Properties of different electromagnetic waves <input type="checkbox"/> Interpreting waveform diagrams <input type="checkbox"/> Properties of transverse vs. longitudinal waves <input type="checkbox"/> Calculating wave speed	out of .....
6	<input type="checkbox"/> Atomic structure including isotopes <input type="checkbox"/> Measuring radiation and sources of background radiation <input type="checkbox"/> Half life calculations	out of .....
	(extended writing question) <input type="checkbox"/> Describing how the model of the atom changed over time, including Rutherford's experiment	out of .....

Based on the topics that you answered *least* well, list at least three topics that you will relearn in order of priority:

1)

2)

3)

Based on the topics that you answered *most* well, list at least two topics that you will **not** prioritise relearning.

1)

2)

Total score	Percentage score
out of 60	



Access [mwscience.co.uk](http://mwscience.co.uk) for targeted revision based on the questions from this mock exam!



## B B C BITESIZE Combined Science - Edexcel Physics



- ↑ BBC Bitesize :
- velocity-time graphs
  - typical speeds
  - speed calculations
  - investigations involving speed
    - $a = (v - u) \div t$
    - $v^2 - u^2 = 2 \times a \times x$



- ↑ BBC Bitesize :
- $F = m \times a$
  - Investigations involving trolleys



- ↑ BBC Bitesize :
- energy transfer diagrams
  - GPE and KE calculations



- ↑ BBC Bitesize :
- efficiency calculations



- ↑ BBC Bitesize :
- energy resources



- ↑ BBC Bitesize :
- Interpreting waveform diagrams
    - transverse vs. longitudinal waves
  - calculating wave speed
  - investigations involving sound waves
    - refraction



- ↑ BBC Bitesize :
- visible light
  - properties of electromagnetic waves
  - ionising radiation
    - sources of electromagnetic radiation



- ↑ BBC Bitesize :
- atomic structure including isotopes
  - how the model of the atom changed over time
  - ions and ionisation



- ↑ BBC Bitesize :
- detecting radiation
  - half life calculations
  - sources of nuclear radiation



- ↑ BBC Bitesize :
- dangers of radiation
  - background radiation



- ↑ BBC Bitesize :
- significant figures



- ↑ BBC Bitesize :
- Analysing experiments