

A LEVEL

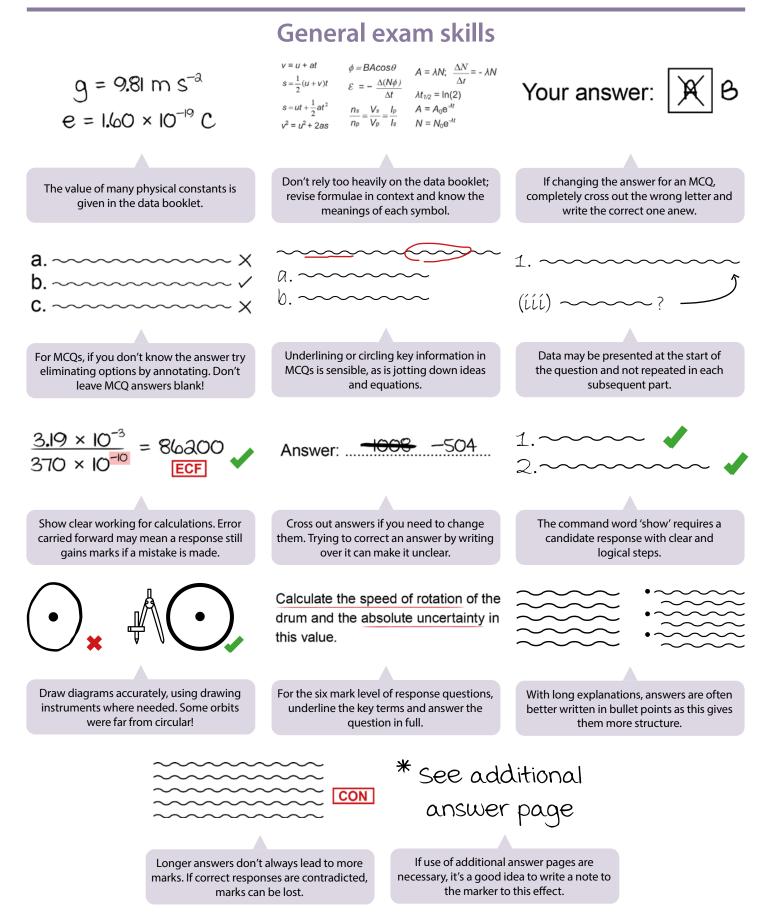
PHYSICS B

H557 For first teaching in 201

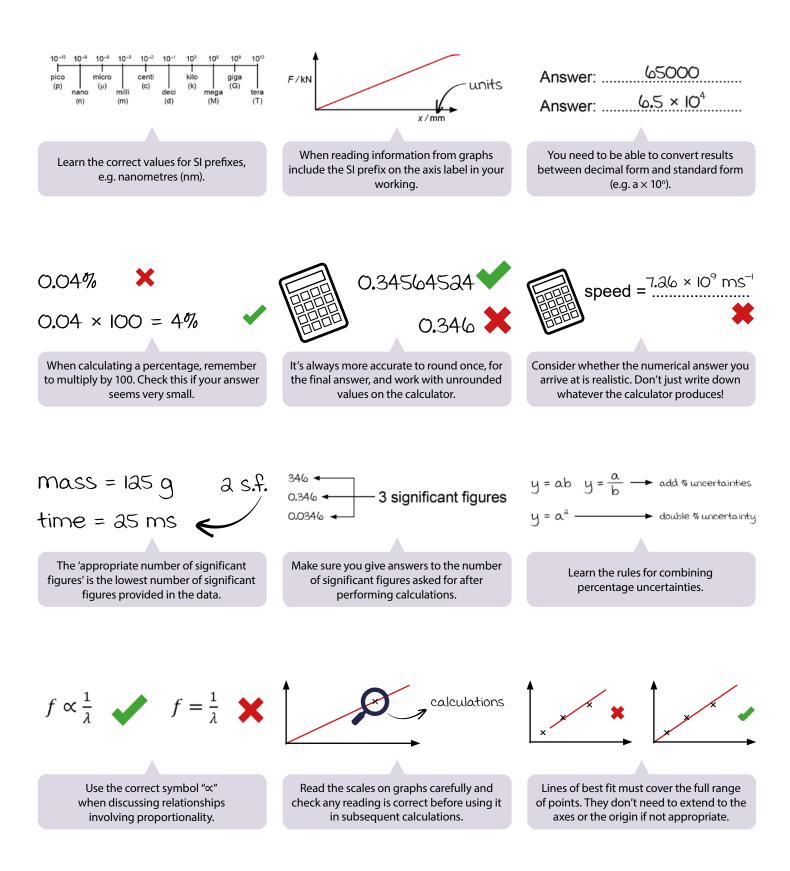
Exam hints for students



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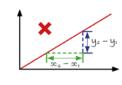


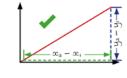
Maths skills





Lines of best fit should cover all points and have a fair distribution of points above and below the line.

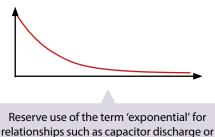




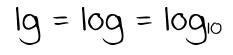




Lines of best fit can be straight or curved. They don't have to extend to the axes or origin if not appropriate.



radioactive decay.



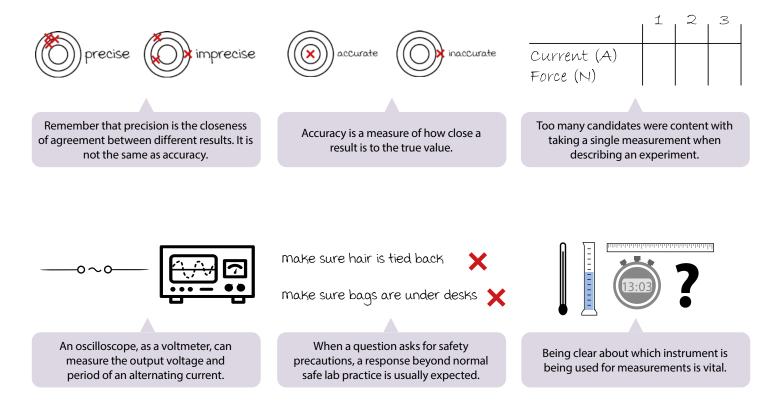
lg, log, and log₁₀ are all equivalent expressions which may be seen in questions or on calculator buttons.

Practical skills

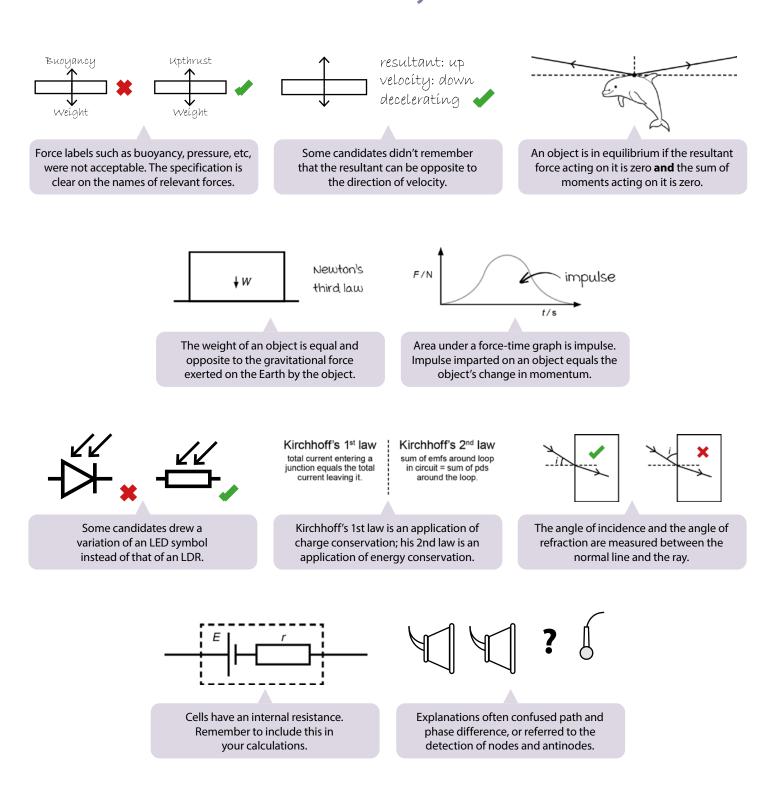
When calculating the gradient of a line of

best fit, use a large triangle and use co-

ordinates from the line in the equation.



Theory





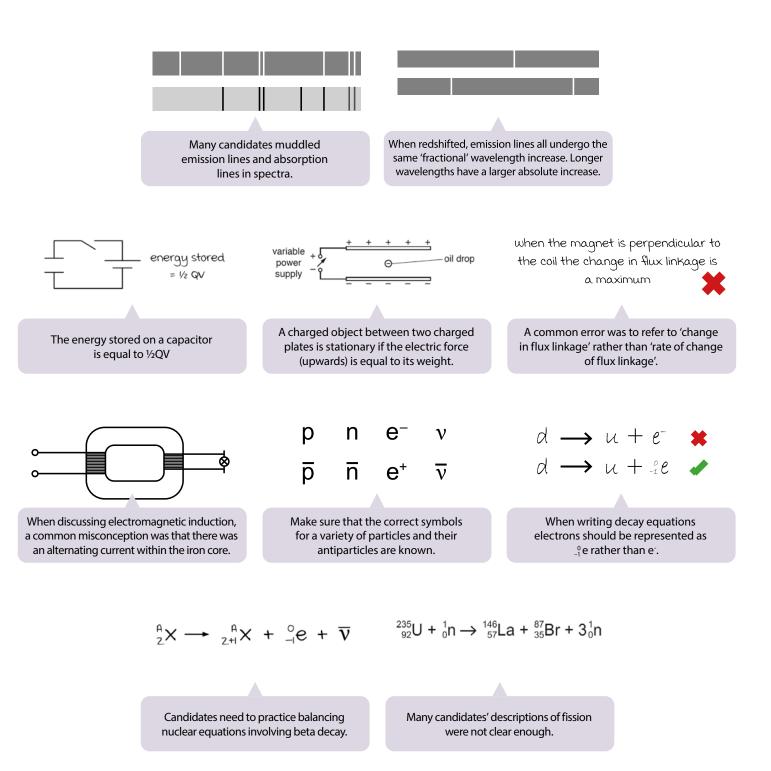
The simple harmonic motion relationship $x = A \cos(\omega t)$ requires that the value of ωt is expressed in radians.

would have more energy than the escape velocity ...gas molecules on Mercury

When discussing escape velocity, it isn't acceptable to equate high energy with speed in responses.



Many candidates incorrectly stated that energy levels are negative due to the negative charge of electrons.



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