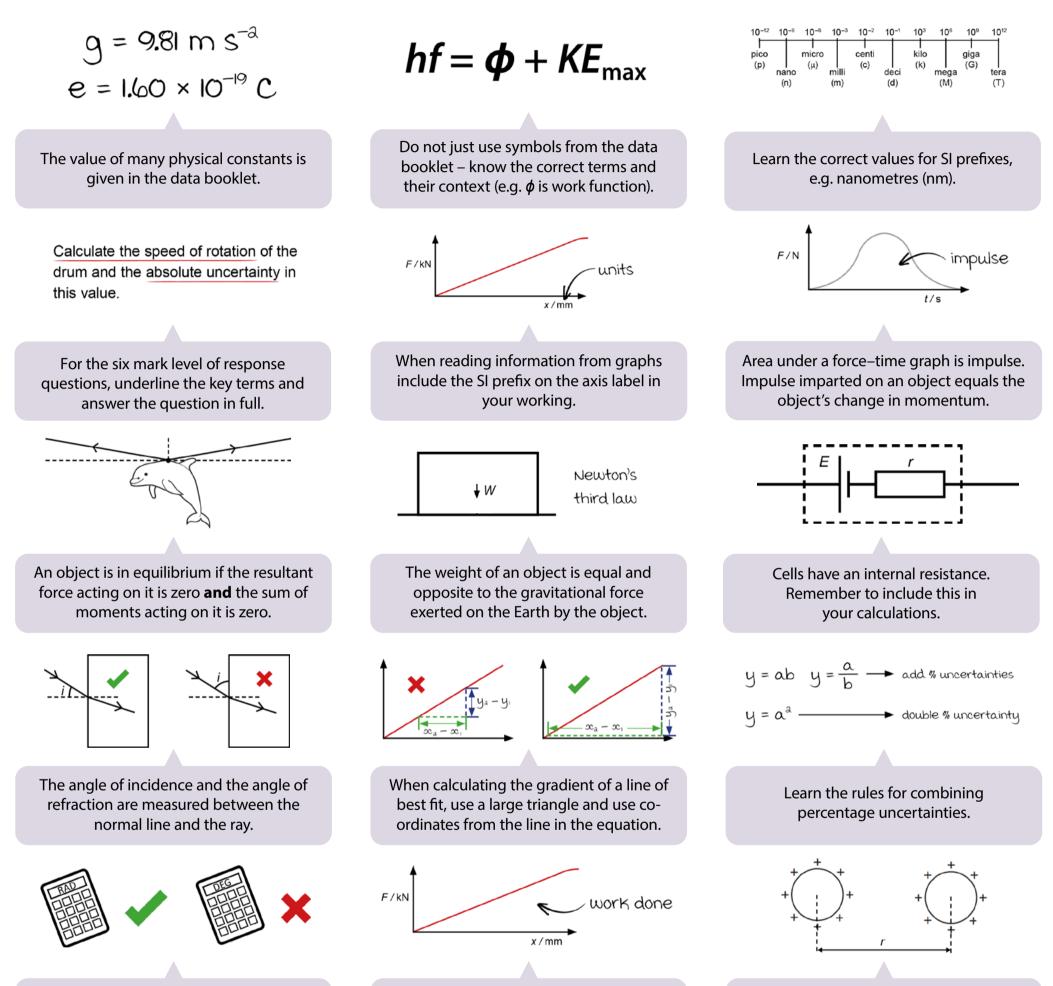
# A LEVEL PHYSICS A & B



## **2019 Summer Highlights**



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

 $f \propto \frac{1}{\lambda}$   $f = \frac{1}{\lambda}$  **X** 

The area under a force–extension graph is the work done by the force against tension to produce the extension.

Kirchhoff's 2<sup>nd</sup> law

sum of emfs around loop

in circuit = sum of pds around the loop.

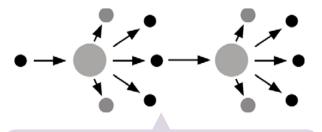
Kirchhoff's 1<sup>st</sup> law

total current entering a

junction equals the total

current leaving it.

The distance between the centres of charged spheres is used to find the electric force between them.



Use the correct symbol "\circ" when discussing relationships involving proportionality. Kirchhoff's 1st law is an application of charge conservation; his 2nd law is an application of energy conservation.

1

In nuclear reactor descriptions, neutrons were omitted and roles of moderators and control rods were confused.

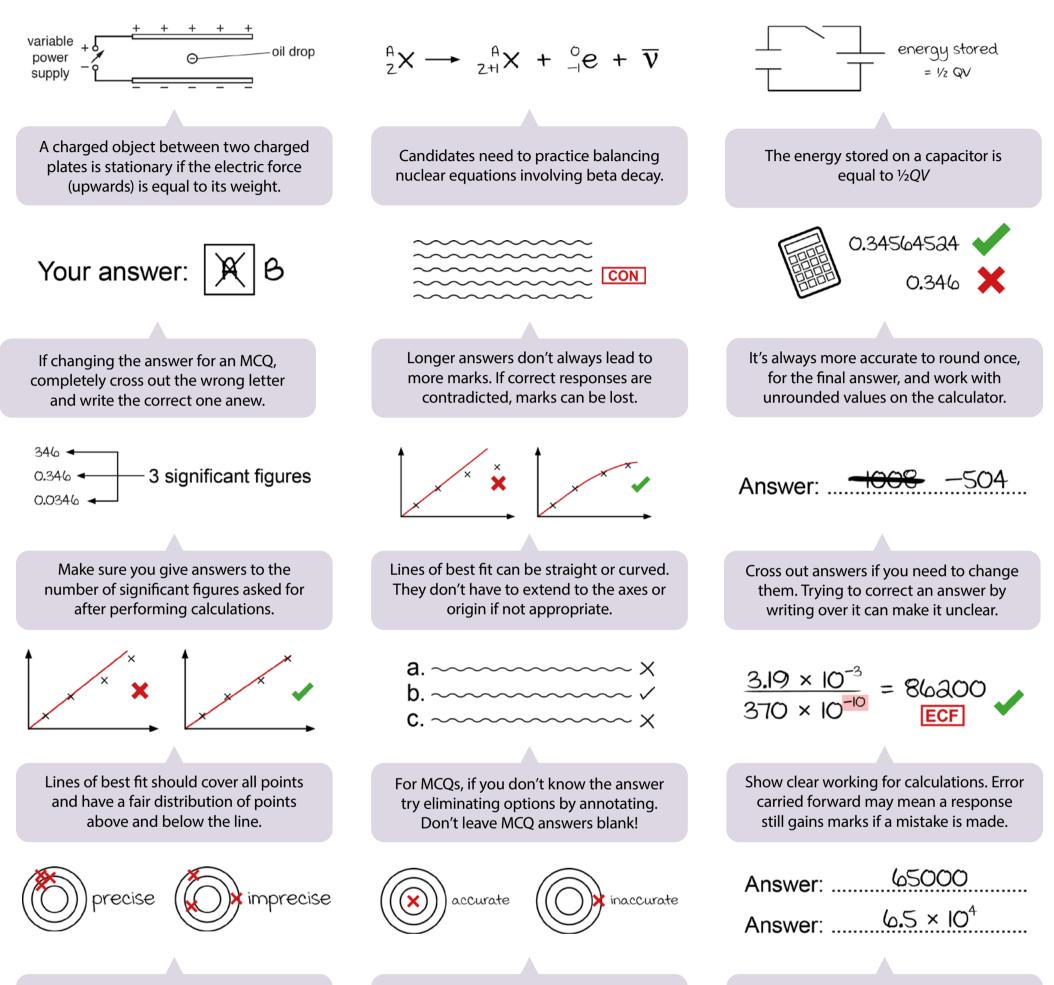
#### A Level Physics A & B



# A LEVEL PHYSICS A & B



## **2019 Summer Highlights**



Remember that precision is the closeness of agreement between different results. It is not the same as accuracy.

Accuracy is a measure of how close a result is to the true value.

You need to be able to convert results between decimal form and standard form (e.g.  $a \times 10^{n}$ ).

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