Question Choices

\*Q1 Shorts

\*This will be comprised mostly of short questions to answer.

\*Q2 Mechanics

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\*Q3 Light

\*This will cover light rays, experiments done to verify laws and will also cover said laws.

\*Q4 Heat

\*Ordinary level question not likely to be on the Leaving Cert, but will cover things pertaining to heat.

\*Q5 Electrical

\*This will cover electrical conducts alongside experiments we have done in class.

\*Q8 Atomic

\*This will cover atomic theory among other things pertaining to the subject.

\*Q9 Titration

\*This will cover molar mass and how to calculate things relating to Titration; so learn the formulas.

\*Q11 Organic

\*This will cover natural chemistry.

\*Q12 3 Parts

\*This part is comprised of Atomic Theory, Acid Base, Ratios and Thermodynamics.

Q1 Short Questions

Newtons Laws:

\*A body in motion wants to stay in motion unless acted upon by a force.

\*Rate of change of momentum is proportional to the force.

\*Every action has both an opposite and an equal reaction.

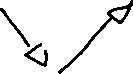
Gravitational constant:

\*F is proportional to the product of masses (m1.m2)

\*F is inversely proportional to the square of the distance between them (d )



Mirrors:



The angle of incidence = angle of reflection in a plane mirror



\*Concave mirror is useful for anything that magnifies (EX, shaving mirror)

\*Convex mirrors are useful to see diminished images, such as on a car mirror.

Waves:



\*Wavelength is the distance from one crest to another. (M)

\*Amplitude is the maximum displacement from the middle. (M)

\*Frequency is the number of wavelengths that pass per second (Hz)

Brownian Motion:

\*Brownian motion is when pollen in a starts to shake and make rapid, random and continuous motions.

Electrical Charge:

\*Two negatives charges repel whilst a negative and a positive attract.

\*The purpose of the fuse is to break the circuit so the current can’t flow. It stops fires.

\*A current carrying conductor experiences a force in a magnetic field.

KWH

* 550W, 15 Mins

\*55W x .25HR

\*W->KW(Divided by)1000.

Fusion means joining.

Fissions means the breaking of large nucleus into two smaller nuclei.

In E=MC(2), M is mass lost and C is the Speed of Light.