Answer to week 7

Topic 17.

Some pointers.

Produce an equipment list; think of key/essential equipment .

IV height egg dropped from, m

DV diameter of splatter, m ( area, m2 , calculated from this value, we don’t calculate the area directly)

CV size of egg, type of surface the egg is dropped onto.

Range of IV 0.50 to 4.00 m in 0.50 m increments.

Give a suitable table with heading /units

Graph plotted of height egg dropped (m) on x-axis v area of splatter ( m2 )

Add more detail to your method and hand in with the rest of the notes.

Your method should be detailed enough to be followed and the experiment carried out.

Greek Letters

Alpha α Some uses in trigonometry but most likely you’ll find it to describe the radioactive emission of a helium nuclei

Beta β as with alpha, most likely to find it describing emission of electron during radioactive

Gamma γ most likely to describe the highest energy electromagnetic ray

Delta- Δ A difference lower case δ sometimes used to express % error and in calculus

Epsilon ε- Used in Statistics also to represent an electromotive force.

Theta θ – the temperature difference

Rho ρ – density

Sigma Σ- the sum of

Tau τ- Sometimes used to represent torque (the rotational force in mechanics)

Phi φ the energy required by a photon to remove an electron from the surface of a metal or the magnetic or electric flux

Omega Ω – Resistance Ohms

Lambda λ –wavelength

Mu μ –micro 10-6

Pi π - Archimedes' constant, !

Some of these you won’t come across very often and I’ve probably missed a few, but the use of Greek letters in physics is fairly universal.