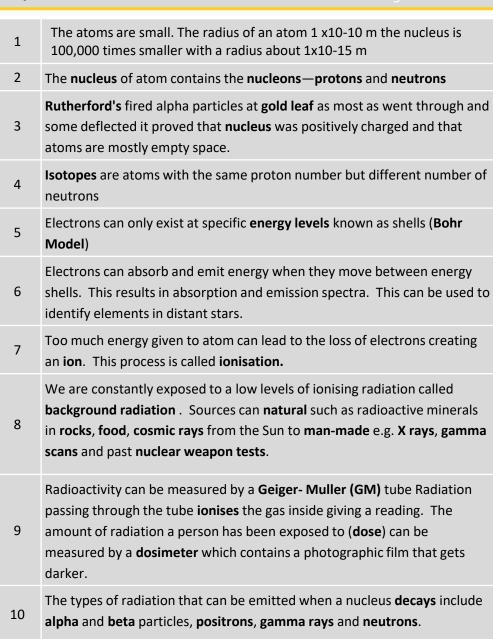
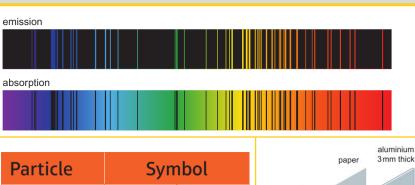
Knowledge Organiser: Physics, CP6a

Jesus grew in wisdom and stature" Luke 2:52

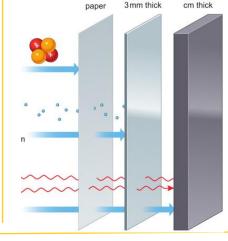


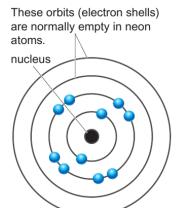
lead few





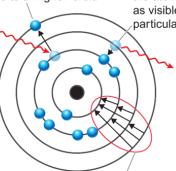
Particle	Symbol	
alpha	α	⁴ He
beta	β-	₋₁ e
positron	$\beta^{\scriptscriptstyle +}$	⁰ e
neutron		n





If an atom absorbs energy, an electron can move to a 'higher' orbit.

When an electron returns to a lower orbit the atom emits energy as visible light of a particular wavelength.



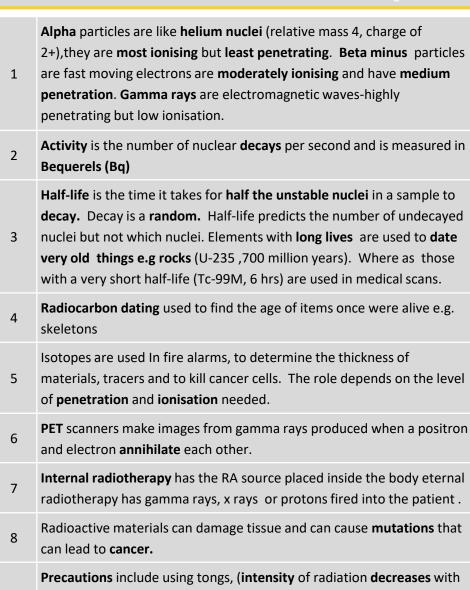
Electrons can make all of these different orbit changes. Each different change produces a different wavelength of light.

contamination.

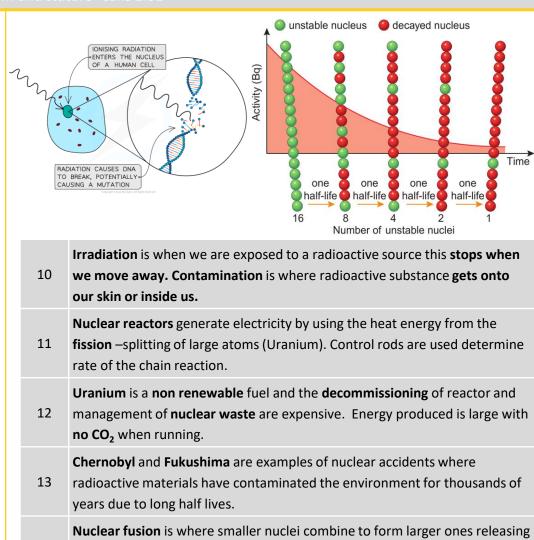
Knowledge Organiser: Physics, Cp6b

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lesus grew in wisdom and stature" Luke 2:52



distance), handle for a short period of **time** (lessens exposure), store in a lead lined box. Wear gloves/ googles/ suit/ respirator to prevent



energy. This happens in stars at high temperature and pressure Hydrogen is

researched but they currently use more energy to create the conditions for

Nuclear fusion occurs in atomic (H) bombs. Fusion reactors are being

fused to form Helium.

fusion than is released.

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