7	An unstable isotope of strontium has a half-life of 28.8 years.	
	It is a beta emitter and can be represented by this symbol.	
	90 Sr	
	38	
	(a) (i) What is the mass number of this isotope?	(1)
	(ii) Explain the meaning of the term half-life .	(2)
	(iii) A person can absorb strontium atoms, which stay in their bones.	
	Explain why strontium-90 in the bones is a serious health hazard.	(2)



-	plete the	e equatio	n for this	decay.			(2)
	90						
		Sr	\rightarrow	Υ	+	β-	
	38			39			
(ji) Yttri	um-90 is	also an u	ınstable i	sotope.			
Expl				yttrium-90 can b nt numbers of pr		scribed as isoto _l	
Expl						scribed as isotop	pes, (2)
Expl						scribed as isoto	
Expl						scribed as isoto	

