i.	Yttrium-90 has a short half-life of 64 hours.		
	Explain why a short half-life is important for the patient.		
ii.	Problems of using yttrium-90 to treat liver car	ncer include:	
• • E	poor appetite, abdominal pain, fever or sick people in contact with the patient can be ex Explain why patients are treated with yttrium-90	rposed to small doses of radiation.	
-			[2]
. Wł	nat happens in the process of nuclear fusion?		
} ;	A chain reaction starts. A heavy nucleus splits and releases energy. A uranium nucleus absorbs a neutron. Light nuclei join to form a heavier nucleus.		
3) 'our	A heavy nucleus splits and releases energy. A uranium nucleus absorbs a neutron.		[1]
g) 'our	A heavy nucleus splits and releases energy. A uranium nucleus absorbs a neutron. Light nuclei join to form a heavier nucleus. answer	Where it occurs	[1]
our	A heavy nucleus splits and releases energy. A uranium nucleus absorbs a neutron. Light nuclei join to form a heavier nucleus. answer nich row describes nuclear fusion? What happens	Where it occurs in nuclear power stations	[1]
our	A heavy nucleus splits and releases energy. A uranium nucleus absorbs a neutron. Light nuclei join to form a heavier nucleus. answer nich row describes nuclear fusion? What happens heavy nuclei split		[1]
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END OF QUESTION PAPER