

X-rays

Mark scheme

1.	(i) X-rays or gamma rays <i>for 1 mark</i>	1	
	(ii) passes through flesh; stopped by bone/absorbed <i>for 1 mark each</i>	2	
			[3]
2.	Quality of written communication <i>award for a sensible sequence of two points</i>	1	
	X-rays do not go through lead <i>accept lead protects them from the X-rays</i> <i>accept not exposed to X-rays</i>	1	
	lead stops / reduces risk of X-rays harming / damaging / killing (persons) <u>cells</u> <i>accept X-rays (may) cause cancer</i> <i>accept organs for cell</i> <i>do not accept references to electric shock</i> <i>do not accept stops bones of people showing on X-ray</i> <i>answers involving the horse wearing an apron are incorrect</i> <i>references to gamma rays are incorrect</i>	1	
			[3]