Follow along worksheet for

Applications of Particle Accelerators by Prof. Rob Edgecock

00:01:20	1.	% of radial tires use a particle accelerator during the manufacturing process.					
00:02:00	2.	An beam is used to create links between the polymer chains.					
00:03:50	3.	Implanting into a material can change its properties.					
00:04:50	4.	There are more	than	ion implantation accelerators in the UK.			
00:06:20	5.	Electron linacs	used to create	x-rays for radiotherapy	are usually jus	st over	long.
00:07:30	6.	A multileaf coll absorbing unwa		y made of tungsten) is u	sed to	the beam,	by
00:09:10	7.	Around %	of the world po	opulation have roundwo	orm.		
00:11:20	8.	Up until recentl	y roughly	% of the sludge was dis	posed of in th	e sea in the	UK.
00:12:10	9.	In anaerobic dig matter.	gestion bacteri	a in the absence of	is used t	o break dov	vn organic
00:14:00	10.	Treating the slu	dge before and	aerobic digestion, break	s it down, mal	king it more	