0 1	Cystic fibrosis is an inherited disorder that can seriously affect health.				
	Which <b>one</b> of these is affected by cystic fibrosis?				
0 1 . 1	Draw a ring around your answer [1 mark]				
	blood	cell membranes	kidneys	nervous system	
	The diagram shows the inheritance of cystic fibrosis in a family. The allele that produces cystic fibrosis is recessive.				
	-	T-9		Affected male	
		2		Healthy male	
			•	Affected female	
	3	4	0	Healthy female	
0 1 . 2	Two recessive	erson 3 inherited cystic /cystic fibrosis/faulty/ ts/from 1 and 2/from l	diseased/the	allele(s)/genes [1]	2 marks]
0 1 . 3	Explain why person 4 did <b>not</b> inherit cystic fibrosis  [2 mark (inherited) dominant/normal allele/gene [1] from 2/mother [1]				
0 1 . 4	Embryos can b		le that causes	oaby could have cystic s cystic fibrosis. Many p t.	
	Suggest one reason why many people support the screening of embryos for the cystic fibrosis allele.				
	[1 mark] Reduce number of people with cystic fibrosis (in population) or reduce health-				
	care cost or expensive to have baby with cystic fibrosis or help to prepare				

financially / emotionally etc

0 1

5

Suggest one reason why many people are against the screening of embryos for the cystic fibrosis allele.

[1 mark]

Possible damage / risk to embryo / fetus / baby or risk to mother screening / it is expensive

(may) have to make ethical / moral / religious decisions

ignore not natural / playing God / unethical / immoral / religious unqualified

right to life

**WARNING:** Try not to just say 'Playing God, etc.' without explaining what you mean. Remember screening is just to see if the condition is there, not to cure, or change the embryo.