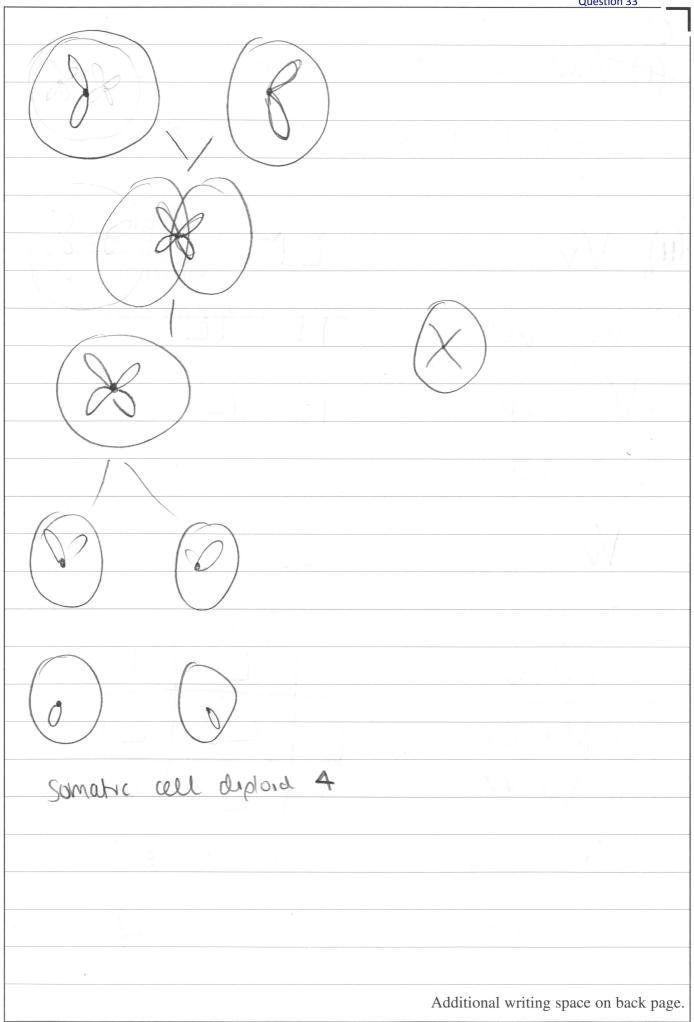
Start here.			
a) Trisony- a nutation Mait generally leads to down syndrome.			
Mutations affect on Chromosumer,			
Organism	Minitaltion	Affect on Chronaosonas	
Human	Trisomy	Generally couver down syndrome. Gives one nuive chromosome which	
Human.	Polyploidy	Effects the manufacturing of the chromosome. Chromosomes can of work property	
	Base Substitution		
b) Somatic cell, any cell other than Sex cells (germ a sva) Somatic cell diploid number of 4.			
,			



(i) Vision defect	genes recessive.
3	gener donnant.
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2:\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	3:1
Inhed 3:1	Inked 3:1
not linked 2-1	mot linhed. A:1
	You may ask for an extra Writing Booklet if you need more space.

Start here. i) lata can be collected because of new technologies, such as Recombinate DNA technologies Unomosone, e all are taken from pegs e and studied. The helps in identifying The relative parthern of linked gene? The human 'gerrone project camed to collect gene data, which then helped in analyting the relative position of listed years. (11) The human genome project did have gut of success but it would not ne achieved in studying linkage maps because it aimed to determine me exact struct of ONA, looking at linkage maps ded not do my it ained to And the DNA yet again me linhage maps and not do this. It also wanted to find the about he MA sequencing at her mainnal looking at or relying Inhage niets did not

When it was discovered that gener could be many ven badarabogues souldered application in which how years would be wed were developed (seve cascades has also led to new application technolognes such a producing whole Owtheal chromovie. anticheal discovering was inserted into a bacterium and resulted Surviving reproducing backeria houray Success 1 has been and is a long going debate on etrical wire and such like heller, it is oh to selle (Characterstics) Most Want Mer child to have. Through gene cloning a powent cou child ladwara Many dispute and hee harre especially his keel Most It is playing here are some relat gene cloning, that Mild Additional writing space on back page.

as wing gener so that Chance Mat develop breaks Other applications that has come about due to gene during is being able to produce a wider avaliability of produce certain item. Strawberries cannot all year rund in all hat, they are not , but now Monty HC salmon, strawberner com now with stand trast praiding an abundant all year wind. A gene of take & and put into the Strauberne. They are called transgenic species. The strawberne become that resistent. I'm cost nunery and down social and emironmental impact, Show a new application for reclumlagues geve during. and opene carcacle development - of many

You may ask for an extra Writing Booklet if you need more space.