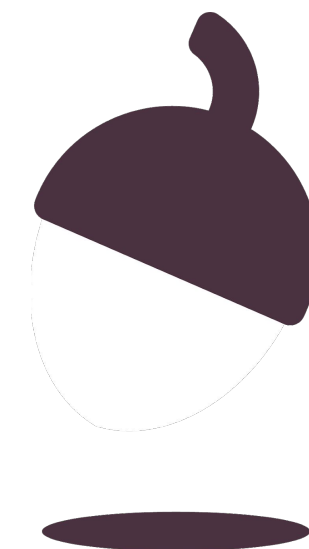


Combined Science - Biology - Key Stage 4

Inherited Disorders Part 1 - Higher

Mrs Gibbs



OAK
NATIONAL
ACADEMY

Inherited disorders are passed from _____ to _____. They are caused by _____ in alleles.



Independent task

- What is the probability the offspring will have polydactyly if the mother is homozygous without polydactyly and the father is homozygous with polydactyly?
 - Genotypes of parents:
 - Phenotypes of parents:
 - Percentage of offspring with polydactyly:



Independent task

- What is the probability the offspring will have cystic fibrosis (CF) if the mother is homozygous without CF and the father is homozygous with CF?
 - Genotypes of parents:
 - Phenotypes of parents:
 - Percentage of offspring with CF:



Inherited disorder	Dominant or recessive?	Disorder of	Symptoms	Genotype of sufferers
Polydactyly		Fingers and toes		_____ or _____
Cystic fibrosis				ff

