

# Breeding cats without tails

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**This task is about genetics.**

In cats the form of the gene causing them to be tailless (M) is dominant to the form of the gene which causes normal tail (m).

a) What would be the genotype of a true-breeding tailless cat?

b) What would be the genotype and phenotype of a heterozygous cat?

i) genotype

ii) phenotype

c) A tailless cat was mated with a normal tailed cat and all the kittens produced were tailless. Explain this result.