

Ear lobes

In humans, *unattached* ear lobes (E) are dominant while *attached* ear lobes (e) are recessive.



Unattached earlobe



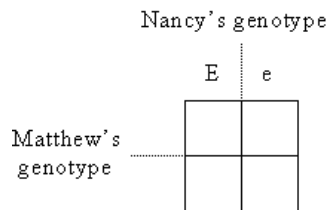
Attached earlobe

- a) Matthew, who has attached ear lobes, and Nancy, who has unattached ear lobes, (her father had attached ear lobes) have four children.

The genotype of Nancy is Ee.

What is the genotype of Matthew? Matthew's genotype: _____

- b) i) Complete the punnet square to show the possible genotypes in their offspring:



- ii) Of Matthew's and Nancy's four children, how many would be expected to have attached ear lobes?
