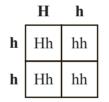


- a. Identify the structures where the gene for hair length is stored in the nucleus of a cell.
- b. What percentage of a mother cat's genetic information is inherited by her offspring?

A cat that has long hair (**hh**) is crossed with a cat that has short hair (**Hh**). The Punnett square below represents this cross.



- c. Use the Punnett square to determine the probability that an offspring of these two cats will have long hair.
- d. Explain how you determined your answer to part (c).