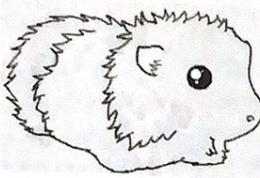
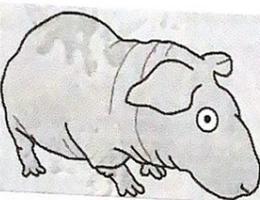


Amoeba Sisters Video Recap: Monohybrid Crosses (Mendelian Inheritance)

Vocabulary practice! Fill in missing boxes assuming that having hair for guinea pigs follows Mendelian inheritance, where the H dominant allele codes for hair and h codes for a lack of hair (hairless).

Image	Genotype	Heterozygous or Homozygous?	Phenotype
	HH Hh	1. hh HH	2. HH Hh
	3. hh	4.	Hairless hh
5.	6.	Heterozygous Hh	7.

8. An allele is a form of a gene.

In the Punnett square on the right, how many H/h alleles does a baby guinea pig inherit from the **mother**? _____
 How many H/h alleles does a baby guinea pig inherit from the **father**? _____

If a baby girl guinea pig looks almost identical to its mother, does this then mean that it inherited more alleles from its mother? Explain. (Hint: Think about the vocabulary words **dominant** and **recessive**.)

