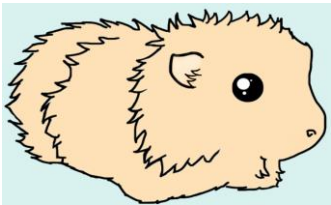
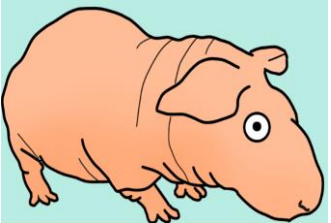


Amoeba Sisters Video Recap: Monohybrid Crosses (Mendelian Inheritance)

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	1.	2.
	3.	4.	Hairless
5.	6.	Heterozygous	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**.)

