Punnett Piggies

Punnett squares are an easy way to keep track of the alleles parents can give to their children, and they can help us determine what type of offspring two parents might have. Your job is to design a mutant pig by selecting alleles for various pig characteristics, write down what your pig's genotype and phenotype is for each physical trait, and draw your mutant pig.

Finally, you will choose another pig to be your mate, and you will complete 5 Punnett squares to determine the probability of your piglet offspring having certain traits.

Unicorn or not? The allele for having a unicorn, u, is recessive to the allele for NOT having a unicorn, U.

Curly or straight tail? The allele for having a straight tail, t, is recessive to the allele for having a curly tail, T.

Can it fly? The allele for having NO wings, w, is recessive to the allele for having wings, W.

Do your ears hang low? The allele for having floppy ears, e, is recessive to the allele for having pointy ears, E.
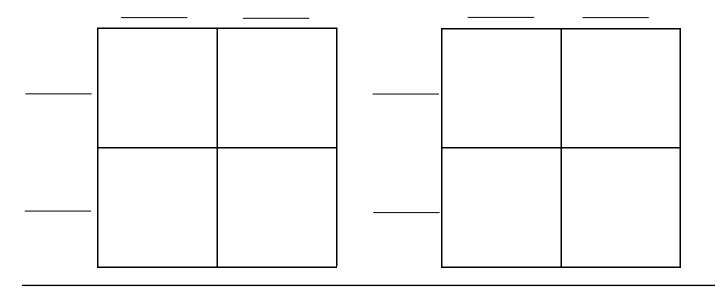
Pretty in pink? The allele for pink skin, p, is recessive to the allele for purple skin, P.
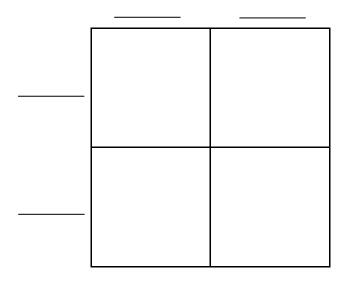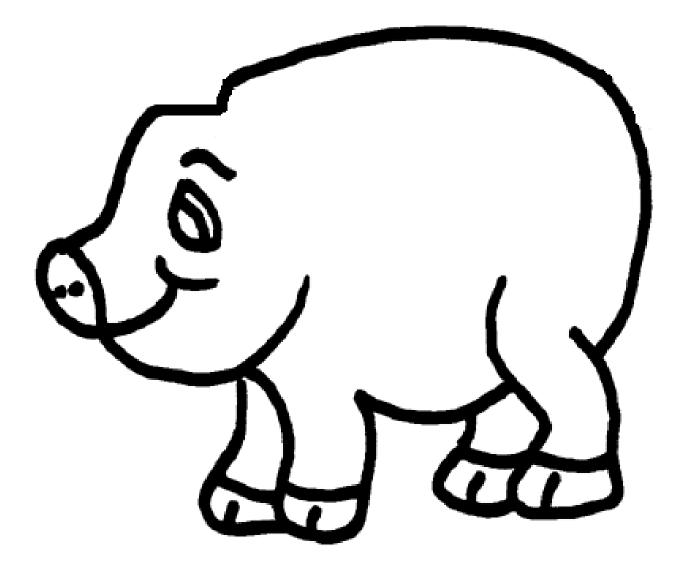
Unicorn or not

Tail Type

Can it fly?

Ears

Color

Punnett Piggie Practice

Name _____

Partner _____

Date _____ Period _____

Punnett Piggies

Trait	Genotype	Phenotype
Unicorn or not?	_____ _____	
Tail type	_____ _____	
Can it fly?	_____ _____	
Ears	_____ _____	
Color	_____ _____	