Genetics	Name:
Big Nose Punnett Square	Period:

Make a Punnett square for the cross below, and answer the questions. You can use Chapter 6, Section 2 of your book to help you. Remember:

genotype - what the genes say with their alleles
phenotype - what you see when looking at the organism
alleles - variations of a gene (dominant with a CAPITAL, recessive with a lower case)
each box of the Punnett square will have two letters in it
count the number of boxes that have the alleles you are looking for
as there are only four boxes, your percents can only be: 0%, 25%, 50%, 75%. or 100%

Assume a big nose is a dominant trait (N) over a small nose (n). Make a Punnett square for the cross $Nn \times Nn$.

What are the genotypes of the parents? and	_
What are the phenotypes of the parents? Nn:	_ and Nn :
List all of the possible genotypes of the offspring of this cross:	
What is the % chance that their children will have a big nose?	
What is the % chance that their children will carry an allele with the rec	essive trait n?

