

Answer the questions 1-7 using the Punnett square shown below

	B	b
B	BB	Bb
b	Bb	bb

1. What **genotype** do both parents have?
2. What letter represents the **recessive** gene?
3. What letter represents the **dominant** gene?
4. What are the three **genotypes** an offspring could have?
5. If b is a **recessive** gene, list the offspring that will exhibit or show the **recessive** trait.
6. If B is **dominant** over b, list the offspring that will exhibit or show the **dominant** trait.
7. Which **genotype** has a 50% chance of being inherited?

Draw a Punnett Square for each of the gene crosses listed below. Then, list the offspring's' genotypes.

8. Rr and rr

Offspring percentage:

RR: \_\_\_\_\_ %

Rr: \_\_\_\_\_ %

rr: \_\_\_\_\_ %

	R	R
R		
r		

9. HH and hh

Offspring percentage:

HH: \_\_\_\_\_ %

Hh: \_\_\_\_\_ %

hh: \_\_\_\_\_ %

	H	h
h		
h		

10. Aa and aa

Offspring percentage:

AA: \_\_\_\_\_ %

Aa: \_\_\_\_\_ %

Aa: \_\_\_\_\_ %

	A	a
a		
a		