

7th Scavenger hunt chapter 5.2

Date: _____

Last Name: _____, First: _____ per: _____

1. What is the **title** of this section? _____
2. **California Standards Focus, 3 green Keys** *Complete the sentences.*
 - a. What is _____ and how does it explain the results of _____ crosses?
 - b. What is meant by _____ and _____?
 - c. What is _____?
3. What are the **key terms** page 162?

4. Study "**Standards Warm-Up**" on page 162.
 - a. How many times do you predict it will land heads up? _____
 - i. Heads down? _____
 - b. Now toss a coin twenty times. How many times did it land heads up? _____
 - i. Heads down? _____
5. Study "**Math Skills**" on page 163.
 - a. Based on the lesson, what is $\frac{6}{7}$ in percentage form? _____
6. Based on **Figure 6**, the result of a coin toss can be explained by what? _____
7. Study **Figure 7** "How to Make a **Punnett Square**."
 - a. Along what side of the square are the male's alleles? _____
 - b. What is the probability the offspring will have the "RR" allele? _____

- c. What is the probability the offspring will have the “Rr” allele? _____
8. Study Figure 8 “**Guinea Pig Punnett Square**”.
- a. What is the probability the offspring will have white fur? _____
- b. What allele is dominant? _____
9. Analyze “**Math Analyzing Data**” on page 166.
- a. How many F2 offspring had green seeds? _____
- b. What percentage of the offspring had yellow seeds? _____
- c. What was the total number of offspring? _____
10. Study **Figure 9** on page 166.
- a. What is called the physical appearance of an organism? _____
- b. What is genetic makeup referred to? _____
- c. How many phenotypes can the pods have? _____ What are they?

- d. How many genotypes can the pod have? _____ What are they?

11. **Define** the following **highlighted words** on pages 166 and 167:
- a. Homozygous: _____
- b. Heterozygous: _____
- c. Codominance: _____
12. Study Figure 10 “**Codominance**” on page 167.
- a. What is the **homozygous allele** for the black chicken? _____
- b. What is the **homozygous allele** for the white chicken? _____
- c. What is the allele for the **heterozygous alleles**? _____
13. Now go back and read the section carefully and answer the section 2 assessment questions on page 167.