**Chapter 11 Test Review: You will be allowed to use your NOTES and this Review Sheet on the Test. Test will be 28 Multiple Choices Questions, 2 Punnett Squares and 2 extra credit questions.**

**Things to Know and Understand:**

1. **Each pea-plant has how many alleles(genes) for the height gene?**
2. **When Gregor Mendal crossed a tall plant with a short plant, the offspring plants inherited \_\_\_\_\_\_\_\_ alleles(genes) from each parent.**
3. **When you flip a coin, what is the probability that it will come up tails?**
4. **A heterozygous tall pea plant (Tt) is crossed with a short plant (tt). What are the odds that the offspring will be tall?(Hint: do a Punnett Square)**
5. **Define Homozygous(Purebred)**
6. **Define Heterozygous(Hybrid)**
7. **Be able to read a punnett square.**
8. **Define the Principle of Independent Assortment**
9. **Define Codominance**
10. **Define Incomplete Dominance**
11. **Define Polygenic Inheritance/traits**
12. **The color of western white butterflies and the color of the arctic fox are determined by genes and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
13. **If an organism’s diploid number is 50, its haploid number is \_\_\_\_\_\_\_\_\_\_\_.**
14. **Define gametes**
15. **During which phase of meiosis does crossing over occur?**
16. **Define meiosis**
17. **At the end of meiosis, \_\_\_\_\_\_\_\_\_\_\_\_\_ daughter cells are formed.**
18. **Define genotype**
19. **Define phenotype**
20. **Do Mendel’s principles only apply to pea plants?**
21. **Define Alleles.**
22. **Be able to do punnett squares and figure the genotype and phenotype ratios.**