## **Genetics Review Reflection**

What I Should Be Able To Do
Predict possible outcomes of various genetic combinations such as monohybrid crosses, dihybrid crosses, and non-
Mendelian inheritance
Recognize the significance of meiosis to sexual reproduction
Content Knowledge From Today (draw pictures, bullets, outline, sentences, etc.)
1. Why is crossing over important in meiosis, sexual reproduction?
2. Determine the chromosome number of the following gametes after meiosis.
Human somatic cell has 46 chromosomes, gametes have
Frog somatic cell has 26 chromosomes, gametes have
Corn somatic cell has 20 chromosomes, gametes have
The gamete of a honeybee has 16 chromosomes, somatic cell has
3. Set up a monohybrid cross showing a heterozygous parent and a homozygous recessive parent.
4. Set up a monohybrid cross showing a heterozygous parent and a homozygous dominant parent.
5. What are the gamete combinations for a parent that is AaGG?
6. What are the gamete combinations for a parent that is AsCa?
6. What are the gamete combinations for a parent that is AaGg?

Set up a dihybrid square showing a cross between AaGG and AaGg.
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ow I Feel About Content After Today
I know everything about this topic. I will get every question on this topic right on the exam.
I know most of the information over this topic. I will get most questions on this topic right on the exam.
☐ I know some of the information over this topic. I will get some of the questions right on the exam.
I know nothing over this topic. I will need to guess when I see a question over this topic on the exam.
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hat Are My Next Steps To Master the Content Before the Exam (what, how, and where to study)