

Follow Written Directions

Part 3 Directions

1. See the teacher for Chart 3.
2. Write your name, and the period on the top of Chart 3.
3. Using Chart 2, on the top and left side of your Punnett Square you have one allele circled. Inside the Punnett Square circle, the **1** offspring that would have both of these circled alleles.
4. On Chart 3, you will be recording the allele combination, phenotype and genotype for the circled offspring. (This is exactly like what you did in part one, but this time it's for a baby dragon)
5. Take your Chart 3 to the teacher and you will get the parts to color, cut and glue your baby dragon (on the back of chart 3) based on the phenotypes you have listed in your chart 3 or you may draw your baby dragon.
6. Write your name on the back of your sheet and the gender of your adult dragon. Write the name of the person and the gender of their adult dragon that you crossed with to create your baby dragon.

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Extension Activities

Choose one of the following to complete

- Make a pedigree chart for your dragons. Include 4 generations.
Focus on one recessive trait.
- Create 3 new genes for your dragon. What would they look like?
What trait would be dominant? Make 1 of them an incomplete dominant.
- Create a short story explain what would happen if human's crossed dragons for a recessive trait?
- If humans didn't want dragons to burn down their houses, how might they use genetics to their advantage?
- What if.....
 - You had the traits your dragon had?
 - Dragons were living today?