

Name _____ Period ____ Date _____

Germ Cell: Genetic Simulation Lab Questions

1. Why did you cut out the chromosomes in pairs?
2. When you folded the pair of chromosome and dropped them, what did that represent?
3. What is the significance of only one of the pair of chromosomes ending its random journey facing up?
4. What does this have to do with sex cell formation?
5. When you and your partner pushed the like pairs of chromosomes together, what was the number of chromosomes before and after you pushed them together?
6. What is it called when two genes are in a cell and one gene's phenotype is expressed and one is not? Explain and give an example of when this happened.
7. What does *epistatis* mean? Explain and give an example.
8. Hair color is polygenic. What does this mean?
9. How is it that there are so many colors of skin?
10. This exercise was a simulation. How much like real human genetics do you think this was, and why?
11. After looking at the pictures of all the "children" in your class, how is there so much variation in the way they look if they come from the same parents?
12. Explain why people that had the genotype "ll" had to skip the rest of the chin characteristics.