

## Post-Lab Analysis and Conclusions

1. Do sister chromatids separate before or after homologous chromosomes separate? Explain.
2. Functionally, why would it be ineffective for sister chromatids to engage in crossing over?
3. If you were to compare mitosis and meiosis, which would you say was a more complex process and why?
4. At the end of the process, did you end up with beads of all one color on the chenille wires? Explain what this means to a real cell.
5. Structurally and functionally, how do the offspring produced from meiosis differ from those produced by mitosis?

## Cleanup

1. Put a small amount of isopropyl alcohol on a paper towel and wipe the letters off each bead.
2. Return all supplies into the resealable bag.

## Disposal

Consult your instructor for appropriate disposal and storage procedures.