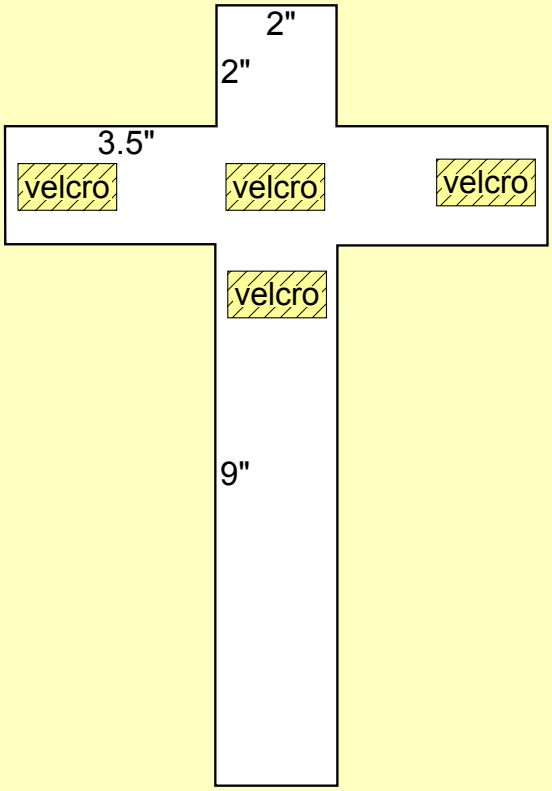
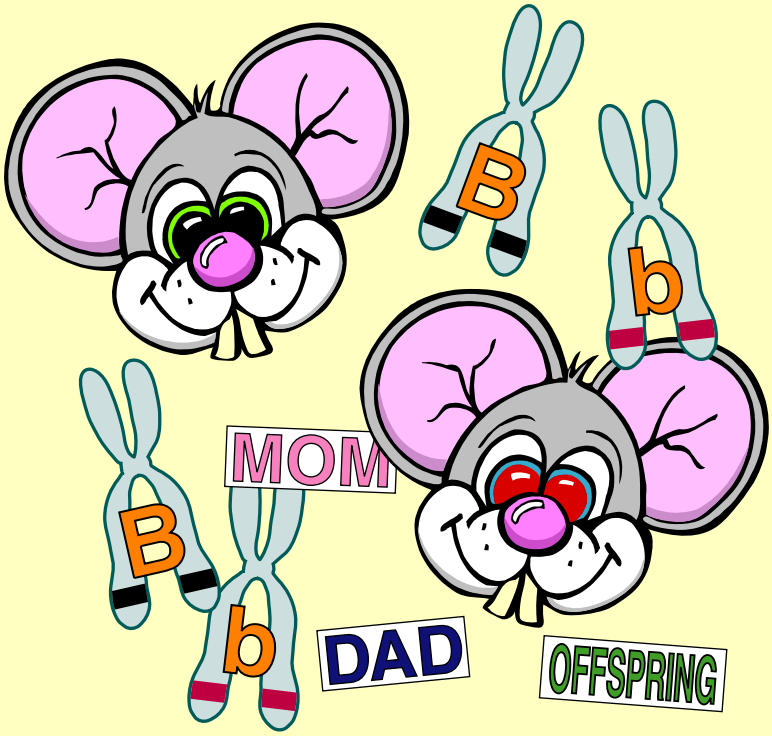
How to Make Mouse Puppets for Genetics





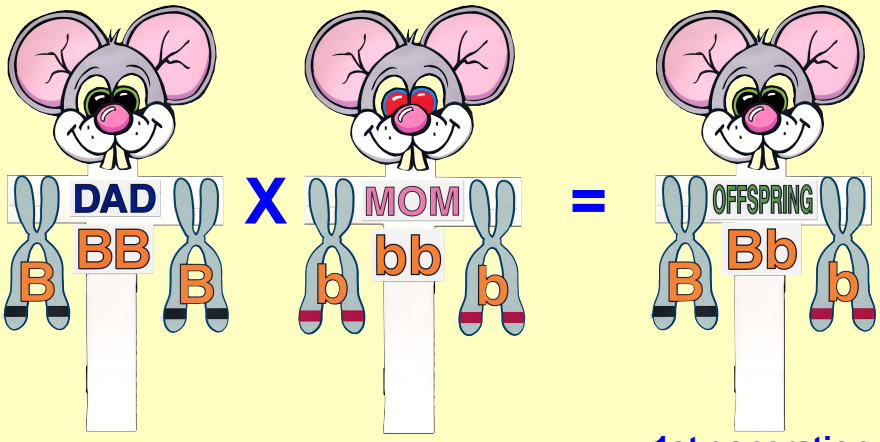
1 Cut 12 puppet frames from sytrofoam, using the dimensions indicated above. Attach small pieces of self-adhesive "velcro" to the frame in the positions indicted. (Use "hook" side of velcro on puppet frames.)

2 Using the patterns provided, print 2 copies of the red-eyed mouse face and 10 copies of the black-eyed mouse face on a color printer. You will also need:

- 2 "Mom" labels
- 2 "Dad" labels
- 8 "Offspring" labels
- 12 "B" chromosomes
- 12 "b" chromosomes

3 After trimming away the excess paper, all puppet pieces can be laminated with clear plastic to increase durability. Using clear tape, attach the mouse heads to the styrofoam frames. Attach small pieces of velcro to all chromosomes and labels. (Use "loop" side of velcro.) This will allow all the chromosomes and labels to be interchanged during the genetic "crosses."

4 Various single-gene crosses can be illustrated by using different combinations of chromosomes, labels, and eye colors. The number of puzzle pieces indicted above will allow you to illustrate two generations of a single-gene cross (parental: BB x bb = all Bb; 1st generation cross: Bb x Bb = 1BB:2Bb:1bb, with 4 offspring in each generation.)



parental generation cross

1st generation offspring (x 4)