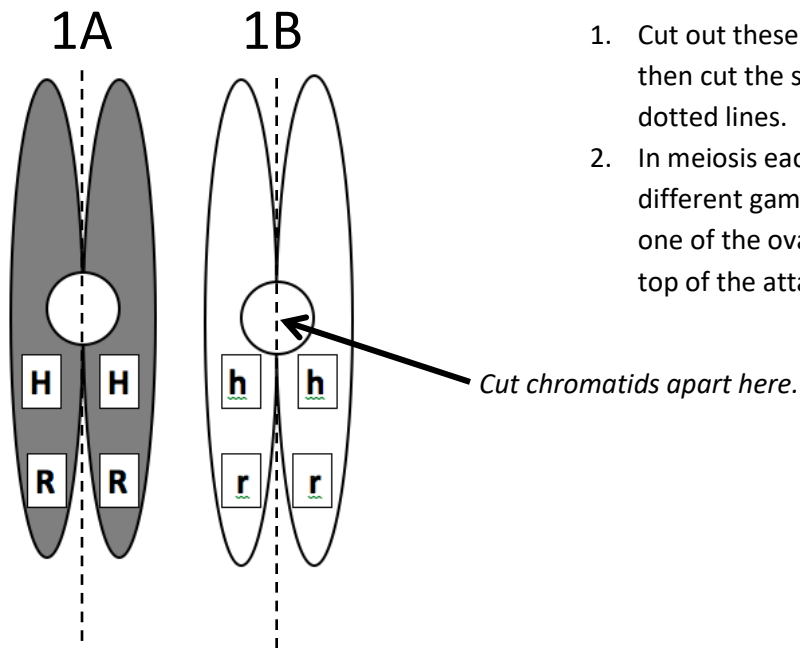
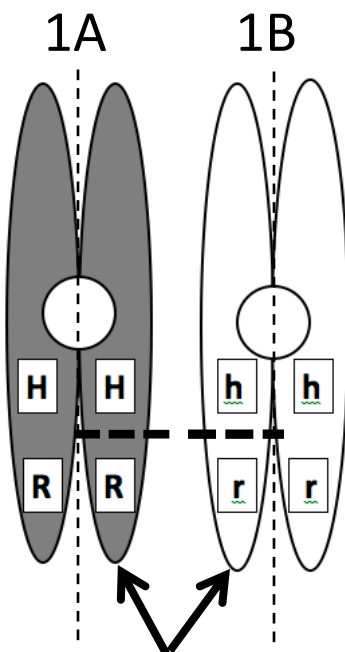


HOMOLOGOUS PAIRS FOR CROSSING OVER ACTIVITY

Part 1. NO CROSSING OVER:



1. Cut out these homologous chromosomes, then cut the sister chromatids apart on the dotted lines.
2. In meiosis each of these would wind up in a different gamete so glue or tape each one into one of the ovals representing gametes on the top of the attached worksheet.



Part 2. WITH CROSSING OVER:

1. Cut out this homologous pair and cut apart its sister chromatids as you did in Part 1.
2. This time before gluing them on the paper, cut the end sections off the bottom the two chromatids as shown by the horizontal dotted lines.
3. Switch these two pieces and tape them on to the other chromatid.
4. Now glue the four resulting chromatids to the worksheet.

After cutting apart the chromatids, cut off these end pieces and exchange them.