Meiosis
At the beginning of meiosis, two homologous chromosomes pair up. These two homologous chromosomes are separated during meiosis I.

Look at the labeled pair of homologous chromosomes in the original cell. Color one chromosome red. Color the other chromosome blue. Follow these two chromosomes through meiosis. Show this by coloring the correct structures in the cells that result from meiosis I and II.

Pair of Homologous Chromosomes

Meiosis I

Meiosis II

(same color as homologous chromosome in cell on left directly above)

(one red homologous chromosome, one blue homologous chromosome)

(one red homologous chromosome, one blue homologous chromosome)

(same color as homologous chromosome in cell on right directly above)