

Diagram out MEIOSIS:

The starting cell below is starting with TWO homologous pair of chromosomes and is heterozygous for both traits (Aa) and (Gg). You need to show & label when the following happens:

DNA duplication

The splitting of sister chromatids

The splitting of the homologous pair.

Show **crossing over** in your drawing for the “A/a” gene ONLY.

At some point in your diagram label one pair of sister chromatids, & label the gametes.

Label one of the homologous pairs AFTER DNA duplication.

REMEMBER the “A” and “a” are representing alleles for the same gene and “G” and “g” are representing alleles for another gene. You need to follow those alleles through the process of meiosis. The line pointing to the “A” (and other letters) are representing the loci where on the chromosome the gene is located.

