What Is the Purpose Of Meiosis?

1. Distinguish between asexual and sexual reproduction and give an example of each.

2. Regarding sexual life cycles:

   Explain the significance of meiosis and fertilization.

   Compare the general life cycles of animals, plants, and multicellular fungi.

3. Distinguish between the following terms:

   diploid vs. haploid

   homologous chromosomes vs. sister chromatids.

3. Define the term "karyotype" and explain and how a human karyotype is prepared.

4. Indicate the overall process by which meiosis reduces the diploid chromosome number to haploid.