How Does Sexual Reproduction Generate Variation Among Offspring?

1. Indicate the nature of genetic mutation and its role in producing variation among offspring.

2. In which type of reproduction is mutation most important as a source of variation (asexual or sexual)?

3. Regarding genetic variation that occurs only during sexual reproduction:

   List the 3 sources of variation.

   Indicate where in the life cycle each source of variation occurs and explain how it occurs.

Be able to write the formula that calculates the number of different gametes resulting from independent assortment of chromosomes.