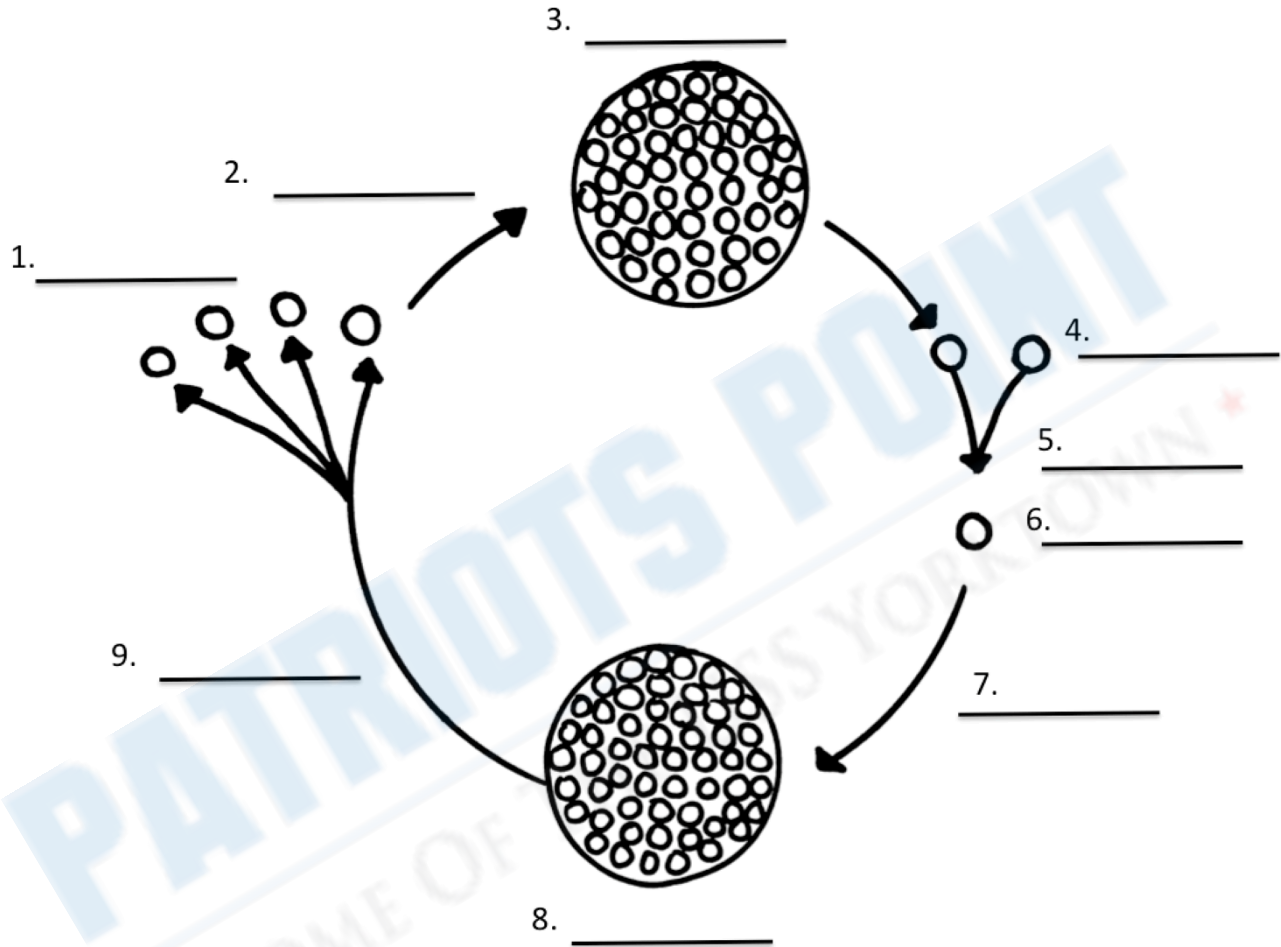


## The Plant Life Cycle

Complete the following diagram of a plant's life cycle. Use the definitions below as clues!



1. Haploid meiotic product in plants, the first cell in the gametophytic generation of plants
2. Process by which chromosomes in a cell nucleus are separated into two identical sets of chromosomes, each in its own nucleus
3. Haploid plant that develops from a spore, produces gametes
4. A cell that fuses with another cell during fertilization in organisms that sexually reproduce
5. The fusion of gametes and their nuclei to form a zygote
6. A fertilized egg, the first cell in a sporophytic generation of plants
7. Process by which chromosomes in a cell nucleus are separated into two identical sets of chromosomes, each in its own nucleus
8. Diploid plant that produces spores through meiosis
9. Nuclear division that changes diploid ( $2n$ ) number of chromosomes to haploid ( $n$ ) number of chromosomes