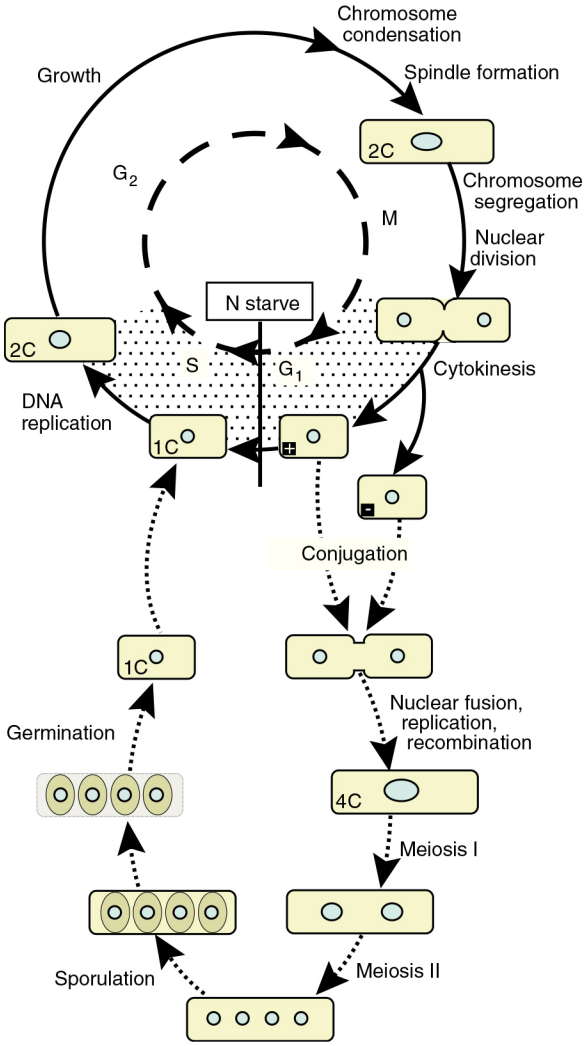

Figure 1. Life cycle of the fission yeast, *S. pombe*. Fission yeast has a short G_1 taking less than 10% of the cell cycle (stippled area is expanded to aid representation). In rich medium, G_1 cells proceed into S phase followed by a long G_2 (~70% of the cell cycle), mitosis, and cytokinesis. When starved of nitrogen, cells of opposite mating-type (+ and −) conjugate, after which nuclei fuse in a process known as karyogamy. Premeiotic replication and recombination allows meiosis I and II to proceed, resulting in four haploid nuclei that are separated into four spores in an ascus. Provision of rich medium allows germination of spores and resumption of the vegetative cell cycle.