

Life Cycle Practice

Sperm are gametes that are _____ (**single celled**/multicelled) and _____ (diploid/**haploid**).

Eggs are gametes that are _____ (**single celled**/multicelled) and _____ (diploid/**haploid**).

When sperm fertilizes an egg a _____ ZYGOTE _____ is formed which is _____ (haploid/**diploid**).

This then goes through _____ (**mitosis**/meiosis) over and over again to create a body that is _____ (single celled/**multicelled**).

During this process the DNA in the cells must go through _____ REPLICATION _____.

Once an adult multicellular organism exists it is _____ (haploid/**diploid**). In humans each cell will have _____ 46 _____ (how many) chromosomes.

At this point, germ cells in the multicellular body must go through _____ (mitosis/**meiosis**) to make _____ GAMETES _____.

These are _____ (**haploid**/diploid) and have _____ 23 _____ chromosomes in humans.