

Biology Chapter 10 Exam Review

Be able to define the following terms.

Gamete

Binary Fission

Gene

Chromosome

Chromatid

Centromere

Homologous Chromosome

Diploid

Haploid

Zygote

Autosome

Sex Chromosome

Karyotype

Cell Cycle

Mitosis

Cytokinesis

Cancer

Spindle

How do organisms grow?

What is the difference between a gamete and a somatic cell?

Describe the structure of a copied chromosome (3 parts).

What is the difference between a haploid and diploid cell?

What is a zygote?

Explain the concept of homologous chromosomes.

What are the sex chromosomes in humans? What two do males or females have?

What is trisomy? What are two types of trisomy and what condition does each cause?

What are the 3 main phases of the cell cycle?

What are the 3 sub-phases of Interphase? Explain each one.

Define Mitosis. What is happening during each stage of mitosis? PMAT

What is cytokinesis?

