

Quick Vocabulary

Lesson 1

diploid describes a cell that has pairs of chromosomes

DNA genetic information in a cell

egg female sex cell

fertilization joining of an egg and sperm

haploid describes a cell that has only one chromosome from each pair

homologous chromosomes pairs of chromosomes—one inherited from each parent—that have genes for the same traits arranged in the same order

meiosis process in which one diploid cell divides to make haploid sex cells

sexual reproduction production of offspring from the combination of genetic materials from two cells

sperm male sex cell

zygote new cell formed through fertilization

Lesson 2

asexual reproduction production of offspring by one parent without meiosis and fertilization

budding asexual reproduction in which a new organism grows on the body of its parent

cloning lab procedure that produces identical individuals from a cell or cells taken from an organism

culture growing living tissue in a laboratory

fission cell division in prokaryotes that forms two genetically identical cells

potential possibility

regeneration asexual reproduction in which a new organism grows from a piece of its parent

vegetative reproduction asexual reproduction in which offspring grow from a part of a parent plant