

Life Science 11

Characteristics of Living Things Terminology List

acid	chromosome	parthenogenesis
base	genes	conjugation
eukaryotic	alleles	asexual reproduction
prokaryotic	homologous chromosomes	sexual reproduction
mitosis	sister chromatids	photosynthesis
meiosis	crossing over	chlorophyll
cytokinesis	synapse	carotenoids
haploid	centromere	cellular respiration
diploid	centrosome	fermentation
somatic cells	independent assortment	ADP/ATP
gametes	binary fission	NADP+/NADPH
cancer	budding	NAD+/NADH
apoptosis	vegetative reproduction	FAD/FADH ₂
DNA	fragmentation	

Process

- Lab safety.
- 8 characteristics of living things.
- Parts of a cell and their function.
- Difference between prokaryotic and eukaryotic cells.
- 3 difference between animal cells and plant cells.
- Reason why cells need to remain small.
- Uses and stages of mitosis.
- Uses and stages of meiosis.
- Differences between mitosis and meiosis.
- Differences between asexual and sexual reproduction.
- Pros and cons of asexual and sexual reproduction.
- Parts of a chloroplast.
- General process of photosynthesis and where in the chloroplast each step occurs.
- Parts of a mitochondria.
- Process of cellular respiration and where in the mitochondria each step occurs.
- Difference between cellular respiration and fermentation.
- Difference between fermentation in plants and animals.
- Link photosynthesis and cellular respiration diagrams.

Example Card:

Front	Back
Unit 1 Acid	Any compound that dissociates to release hydrogen ions (H^+) in solution resulting in a lowered pH Properties: turns blue litmus red; tastes sour; feels slippery; will neutralize a base

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