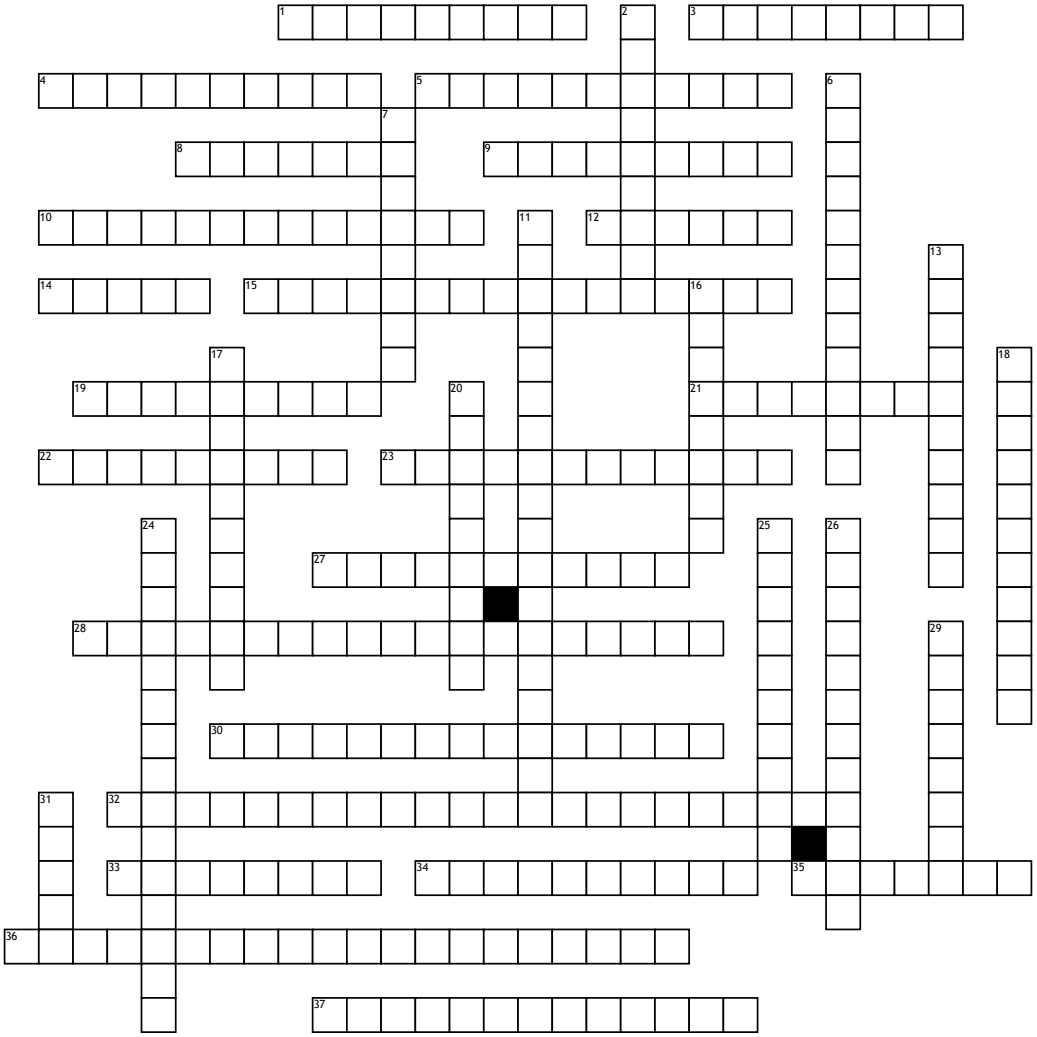
Name: _____ Date: _____

# Semester 2



**Across**

**1.** Process in which cells reproduce
**3.** Pore bearing
**4.** Structure that holds sister chromatids together
**5.** Organism that must get its energy from other sources
**8.** Sugar made from photosynthesis
**9.** Chromatids line up along midline of nucleus
**10.** Synthesis of an mRNA molecule
**12.** Formation of sex sex cells
**14.** Reactant in photosynthesis
**15.** Small fragments of DNA produced on lagging strand
**19.** Physical traits
**21.** Segmented worms
**22.** Spider
**23.** Organisms with different alleles
**27.** Gives plants there green colour
**28.** Takes place in mitochondrial matrix
**30.** Flat worms
**32.** Takes place in thylakoid membrane
**33.** Stinging celled
**34.** Longest part of cell cycle
**35.** Process that forms sex cells
**36.** Makes 36 molecules of ATP per glucose molecule
**37.** Enzyme that catalyzes formation of DNA molecule

**Down**

**2.** Anaerobic Respiration takes place here
**6.** Non sex cells
**7.** Emzyme that untwist double helix at reication forks
**11.** Takes place in prescence of oxygen
**13.** Takes place in mitochondria-gain 2 ATP
**16.** Round worms
**17.** Organisms with identical alleles
**18.** Seperation of cells
**20.** Orgamism that makes its own food
**24.** Y-shaped regionon replicating DMA model
**25.** First stage of cellular respiration
**26.** Worked with pea plants
**29.** Clams
**31.** Three molecules that form a specific amino acid

**Word Bank**

Helicase
Glycolosis
Somatic cells
Cnidaria
Segregation
Okazaki Fragments
Anerobic Fermemtatoon
Porifera
Cytoplasm
Mollusks
DNA polymerase
Glucose
Interphase
Autotroph
Heterotroph
Annelids
Homozygous
Chlorophyll
Cell cycle
Centromere
Transcription
Light dependent reaction
Codon
Replication fork
Cellular Respiration
Metaphase
Nematoda
Gamete
Gregor mendel
Meiosis
Aerobic respiration
Phenotype
Water
Platyhelminthes
Arthropod
Krebs cycle
Heterozygous