Name _____

ANIMAL PHYLA VOCABULARY

Complete the following vocabulary terms…

Taxonomy -

Asexual -

Sexual -

Bilateral symmetry -

Radial symmetry -

Hermaphrodite -

Gemmulation -

Heterotroph -

Homeostasis -

Metabolism -

Sessile -

INVERTEBRATE BODY SYSTEMS

Phyla	Examples	How do they obtain food?	How do they digest food?	Specialized structures?	Sexual or asexual?	How do they reproduce?	Nervous system?	Body support?
Porifera	*Sponges*	*Filter the water with pinacocytes & choanocytes*	*Cells digest (archaeocytes)*	*Ostia Oscula Spongocoel*	*Both*	*Hermaphrodites Gemmulation*	*None*	*Spicules Spongin*
Cnidaria								
Platyhel-minthes								
Annelida								
Mollusca								
Arthro-poda								
Echino-dermata								

Name _____

MORE ANIMAL PHYLA VOCABULARY

Complete the following vocabulary terms…

Cephalization -

Open circulation -

Closed circulation -

Invertebrate -

Vertebrate -

Coelom -

Cloaca -

Internal fertilization -

External fertilization -

Endotherm -

Ectotherm -

CHORDATE BODY SYSTEMS

Phylum: Chordata Classes…	Examples	How do they obtain food?	How do they digest food?	Specialized structures?	How do they reproduce?	Nervous system?	Body support?
Invertebrate chordates							
Agnatha, Chondrichthyes & Osteichthyes							
Amphibia							
Reptilia							
Aves							
Mammalia							

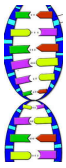
Study Guide

Biology Review

BIOLOGY REVIEW

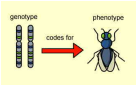
- Cells…
  - Organelles carry out cell work
  - Living things are made up of lipids, proteins, carbohydrates & nucleic acids
  - Photosynthesis: Plants use sunlight energy to create glucose
  - Respiration: Organisms break down glucose to utilize cellular energy (ATP)

BIOLOGY REVIEW



- Molecular Genetics…
  - DNA contains the instructions for cellular work
  - Transcription: DNA is copied into a strand of mRNA
  - Translation: mRNA is read by a ribosome to produce cellular proteins
  - DNA is copied and passed on during mitosis & meiosis (the cell cycle).

BIOLOGY REVIEW



- Mendelian Genetics…
  - Offspring inherit alleles from parents
  - The combination of alleles is the genotype
  - An organism's phenotype (appearance) depends on the genotype & which allele is dominant / recessive

BIOLOGY REVIEW

- Evolution…
  - Natural selection: Variation in populations, some traits are favorable, organisms compete resulting in 'survival of the fittest'.
  - New mutations & environmental pressure yield constant changes in the gene pool
  - Over time, populations accumulate many small changes that create a major difference