

1- Cells as a System (19 questions - 35% of the test)

Info found in Unit 1 and Unit 2 Notes Packets

A. List 7 characteristics of living things

which ones do viruses have?

B. Which scientist made each contribution to Cell Theory?

a. Developed the first good microscope and observed cells in a slice of cork.

b. Observed animals and determined that all animals are made of cells.

c. Observed plants and determined that all plants are made of cells.

d. Observed that cells come from preexisting cells.

C. Put these terms in order from simplest to most complex: atom, cell, molecule, organ, organism, system, tissue.

D. Mark whether each piece of evidence supports the statement that viruses are Living (L) or Nonliving (N).

_____ Viruses contain DNA or RNA.

_____ Viruses can evolve.

_____ Viruses are not made of cells.

_____ Viruses must use host cell machinery to reproduce.

_____ Viruses do not respond to light or heat.

_____ Viruses are surrounded by a protein capsid.

E. Identify each as belonging to Carbohydrates, Lipids, Proteins, or Nucleic Acids:

_____ CHO- 2:2:1

_____ CHO- 1:1:1

_____ CHON

_____ CHONP

_____ fatty acid chains

_____ amino acid

_____ nucleotide

_____ glycerol

_____ monosaccharide

_____ polypeptide



Mississippi Biology One Study Guide

Katrin Zwirgmaier



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