

THREE VENN DIAGRAMS

Directions: Create a venn diagram on a sheet of paper. Title each diagram appropriately. Write each phrase in the appropriate part of the diagram.

Venn Diagram #1 -Virus/Cell Structure

Choose Virus/Cell/Both

1. Classified into a kingdom
2. Causes illnesses
3. Invades living cells
4. Contains DNA (or RNA)
5. Not considered alive
6. Contains a cytoplasm
7. Comes in a variety of shapes and sizes
8. Attaches to cells by a lock and key fit
9. Surrounded by a capsid made of protein
10. Evolves quickly
11. Non-cellular particle
12. Replicates on its own
13. Contains DNA only
14. Does not respond to environment
15. Obtains and uses energy

Venn Diagram #2

Virus/Cell Reproduction:

Choose Virus/Cell/Both

1. Can sexually reproduces
2. Parasitic infections
3. Replicates DNA only
4. Causes host cell to burst open
5. Reproduces asexually
6. Produces identical offspring
7. Lytic cycle
8. Cells can divide
9. Cells can increase in number and differentiate
10. Replicates DNA or RNA

Venn Diagram #3

Prokaryote/Eukaryotic Cell Features:

Choose Prokaryote/Eukaryote/Both

1. Has a cell membrane
2. Has a cell wall – all cells
3. Contains DNA
4. Has a nucleus
5. Archaeobacteria and Eubacteria
6. Unicellular only
7. Has ribosomes
8. Has cytoplasm
9. Has mitochondria
10. Comes in a variety of shapes and sizes
11. Has membrane-bound organelles
12. Has lysosomes and peroxisomes
13. Does not have cellulose
14. Live in hot areas such as volcanoes

TRIPLE Venn Diagram #4

Eukaryotic Cells/ Prokaryotic Cell/ Virus

1. DNA in nucleus
2. Membrane-bound organelles
3. Kingdoms: animalia, plantae, protista, fungi
4. Some multicellular, some colonial
5. Reproduction – asexually or sexually
6. Ribosomes
7. DNA
8. RNA
9. Cell membrane
10. Cell wall
11. Autotroph or heterotroph
12. Unicellular
13. No membrane bound organelles
14. Some are beneficial, some are pathogenic
15. Kingdoms: Eubacteria, Aracheabacteria
16. Reproduction by binary fission and conjugation
17. Nucleic acid
18. Cause diseases
19. Capsid
20. Reproduction – lytic or lysogenic