Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biology Final Review: Fall 2018

1. What is a molecule
2. What is a tissue
3. What is a eukaryote
4. What is a prokaryote
5. What is a lysosome
6. Where do you find lysosomes
7. What is photosynthesis
8. What is cellular respiration
9. What is a carbohydrate
10. What is an atom
11. What is the function of lipids
12. Why are carbohydrates important.
13. What are the six elements of life?
14. What is a nucleic acid
15. What is a unique property of lipids
16. What is a compound
17. Which way does water move if the highest concentration is inside the cell
18. What is an amino acid
19. What is an organ
20. What does it mean to be specialized in biology
21. What is the difference in structure and function
22. What is the definition of an organ system
23. Which level of organization are the following parts: eye leaf, roots, tongue
24. What is proof that something is alive
25. What is an organism
26. What parts do prokaryotes have
27. What element do animals breathe to maintain homeostasis
28. Which type of cellular transport requires energy
29. Why do unicellular organisms divide
30. Why do multicellular organisms divide
31. How is photosynthesis different from cellular respiration
32. What organelle is responsible for all movement of substances in or out of a cell
33. What is homeostasis
34. Why do body cells go through mitosis
35. What is diffusion
36. What is mitosis
37. Give an example of how plants maintain homeostasis
38. What do eukaryotes have
39. How can eukaryotic cells be different from one another
40. What is the function of a mitochondrion
41. What is the function of a chloroplast
42. What is the function of a cell membrane
43. What is the function of a cell wall
44. What is the function of the nucleus
45. What does oxygen do in cellular respiration
46. How do plants get their energy
47. How do animals get their energy
48. What are the products of photosynthesis
49. What are the products of cellular respiration
50. What is a producer
51. What is a consumer
52. What is a decomposer
53. Describe the endoplasmic reticulum
54. Describe the structure of the mitochondrion
55. What is a zygote
56. What is asexual reproduction
57. What are the advantages of asuexual reproduction
58. List examples of asexual reproduction
59. What type of organism reproduces by spores
60. What process is happening when an organism begins to bud
61. What is vegetative reproduction
62. What is sexual reproduction
63. What is fertilization
64. How many chromosomes does a sex cell have compared to a body cell
65. How is anaphase different in meiosis one than meiosis two
66. What are examples of human sex cells
67. What does meiosis have to do with sexual reproduction
68. What is a chromatid
69. What is a chromosome
70. What is the difference in meiosis I and meiosis II
71. What is the difference in meiosis and mitosis
72. What is the end product of mitosis
73. What is the end product of meiosis
74. How many cells does meiosis produce
75. What is the purpose of mitosis
76. What is the difference in anaphase of mitosis and anaphase of meiosis I
77. What are the stages of the cell cycle in the correct order
78. Draw a diagram of the different stages of mitosis
79. Draw a diagram of the different stages of meiosis
80. Why is cell division important to multicellular organisms