Answers Exam Day Review 1: Cell Theory and Function

1. spontaneous generation; abiogenesis
2. Redi;flies
3. Needham;the right conditions
4. Spallanzani;incorrect
5. Pasteur
6. control
7. manipulated;responding;constant
8. Hooke
9. Leeuwenhoek
10. Schwann
11. Schleiden
12. Virchow
13. Cell theory;cells; structure;function; existing
14. prokaryotic
15. eukaryotic
16. compound light
17. electron
18. TEM;SEM
19. nucleus
20. DNA
21. nucleolus
22. cell wall; membrane
23. Ribosomes
24. ER; RER;SER
25. Golgi apparatus
26. Lysosomes
27. vacuoles
28. mitochondria
29. chloroplasts
30. cytoskeleton
31. microtubules;microfilaments
32. centrioles

Cell Boundaries (Page 182-189) Day 2

1. cell membrane
2. lipid bilayer
3. proteins
4. carbohydrates
5. fluid mosaic model
6. Cell walls
7. solutes
8. solvents
9. diffusion
10. equilibrium
11. semipermeable
12. osmosis
13. isotonic
14. hypertonic
15. hypotonic
16. passive transport
17. active transport
18. endocytosis
19. phagocytosis
20. pinocytosis
21. exocytosis
22. photosynthesis
23. glycolysis
24. cellular respiration
25. Refer to page 222 for cellular respiration equation
    Refer to page 206 for photosynthesis equation

Exam Review: Classification, Bacteria, Protists, Fungi

1. classification
2. taxonomy
3. Aristotle
4. Linnaeus; binomial nomenclature
5. Kingdom, phylum, class, order, family, genus, species
6. species
7. plants; animals
8. Protista
9. Fungi
10. Monera
11. Eubacteria; Archaebacteria
12. Eukarya; Bacteria; Archaea
13. type; wall; energy
14. toxin
15. bacilli; cocci; sprilla
16. gram
17. positive
18. negative
19. flagella; cilia
20. heterotroph
21. autotrophs
22. binary fission
23. conjugation
24. endospore
25. viruses
26. reproduce; infecting
27. viruses
28. living; cells; not alive
29. protists
30. unicellular
31. Protozoans
32. Algae
33. slime molds and water molds
34. zooflagellates;sarcodines;ciliates; sporozoans
35. psuedopods
36. contractile
37. algae
38. Euglena;chloroplasts
39. fungus-like
40. eukaryotic; chitin
41. absorb
42. hyphae;
43. mycelium
44. fruiting body
45. fairy rings
46. sexually; asexually
47. hyphae; spores
48. mating; hyphae
49. everywhere
50. Fungi; temperature; moisture and food
51. wind; animals

Exam Review Day 4 Plants

1. cellulose
2. chlorophyll
3. mosses
4. 90%
5. angiosperms
6. Bryophytes\Non vascular plants
7. low temperatures
8. rhizoids
9. liverworts\asexually
10. hornworts
11. vascular tissue
12. xylem
13. pholem
14. lignin
15. horsetails
16. roots
17. leaves
18. veins
19. stems
20. common club moss
21. horsetails
22. Ferns; rhizomes; fronds
23. wet
24. gymnosperms; angiosperms
25. Gymnosperms
26. Angiosperms
27. cone
28. flower
29. pollen grain
30. insects
31. seed
32. embryo
33. conifers
34. spruces
35. habitats;needles
36. seed coat
37. moncots;dicots
38. sepals
39. petals
40. anther; filament; stamens
41. filament
42. anther
43. carpels
44. ovary
45. style
46. stigma

Exam Review Day 5 Animals

1. multi-cellular
2. invertebrates; vertebrates
3. respiration; reproduction
4. zygote
5. blastula
6. blastapore
7. There is no answer
8. protostome
9. deuterostome
10. three
11. Endoderm
12. Mesocderm
13. Ectoderm
14. symmetry
15. Radial symmetry
16. Bilateral symmetry
17. Cephilization
18. body cavity
19. Sponges
20. sessile
21. no mouth
22. asymmetrical
23. central
24. Choanocytes
25. ostia
26. Osculm
27. respiration
28. spicules
29. archaeocytes
30. filter-feeders
31. digestion
32. oxygen; carbon dioxide
33. sexual
34. larva
35. motile
36. budding; producing gemmules
37. Cnidarians
38. cnidocytes
39. nematocysts
40. corals
41. radially
42. Polyp; Medusa
43. Gastrovascualr; mouth
44. Extracellular
45. their body walls
46. nerve net
47. hydrostatic skeleton
48. budding; eggs
49. Flatworms, Roundworms, Segmented
50. acoelomates, cephilization
51. pharynx
52. diffusion; flame cells
53. ganglia; eyespots
54. hermaphrodites
55. sexual
56. asexual
57. pseudocoleolm and anus
58. parasitic
59. diffusion
60. ganglia
61. internal fertilization
62. setae
63. coelom
64. pharynx;esophagus crop; gizzard
65. closed circulatory system
66. Clitella;cocoon
67. hookworm

Don't forget to look at notes on Echinoderms, Mollusks, Arthropods, and Chordates.

Good luck studying!!!

Pd 2- Write Tuesday at 12:15 in Mr. Carter's.

Pd4- Write Wednesday at 12:15 in Mrs. McIntyre's