

Answers Exam Day Review 1: Cell Theory and Function

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

Cell Boundaries (Page 182-189) Day 2

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

Exam Review: Classification, Bacteria, Protists, Fungi

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

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