

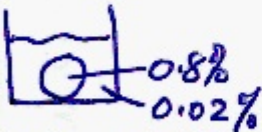
Biology 2201 Sample Midterm Exam - Answer Key

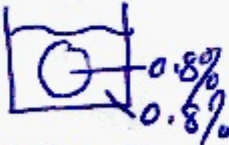
1. D	16. D	31. B	46. A	61. B
2. A	17. D	32. D	47. C	62. D
3. A	18. C	33. B	48. D	63. C
4. D	19. A	34. C	49. A	64. C
5. A	20. D	35. D	50. D	65. C
6. B	21. D	36. B	51. C	66. B
7. A	22. C	37. D	52. C	67. D
8. D	23. D	38. D	53. D	68. A
9. B	24. B	39. B	54. B	69. D
10. C	25. A	40. B	55. C	70. B
11. B	26. A	41. A	56. A	71. A
12. A	27. B	42. C	57. C	72. A
13. B	28. A	43. C	58. C	73. —
14. D	29. C	44. B	59. D	74. A
15. A	30. A	45. B	60. B	75. C

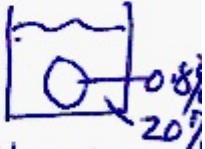
Part 2- 1(a) Biogenesis - p. 6
Spontaneous generation (abiogenesis) - p. 6

(b) Experiments - p. 8-11

2. Plant cell and organelles - p. 32

3. (a) 
Hypotonic solution
- cell gains water

(b) 
Isotonic
- no net change

(c) 
Hypertonic
- Cell shrinks
(loses water)

4. Photosynthesis
(a) uses $\text{CO}_2 + \text{H}_2\text{O}$
(b) produces $\text{O}_2 + \text{glucose}$
(c) requires energy of sun
(d) occurs in chloroplasts

Respiration
uses $\text{O}_2 + \text{glucose}$
produces $\text{CO}_2 + \text{H}_2\text{O}$
produces energy as ATP
occurs in mitochondria

5. (a) See Kingdom chart completed in class.

6. Plant adaptations to life on land.

A. Vascular tissue

B. Waxy cuticle on leaves

C. Pollen

D. Seeds

E. Cones/flowers

5 (b) Viruses - not true living organisms:

- no cellular structure

(no cell membrane or cytoplasm)

- can only reproduce inside a host cell.

