

1. Prophase
2. Nucleolus disappears / chromosomes condense / nuclear membrane disappears
3. Leaf blade / blade
4. Leaf petiole / petiole
5. Stoma / stomata (Stroma will not be accepted)
6. CO₂
7. Hemophilia – C
8. X-linked recessive or B
9. Metaphase
10. Centrosomes / centrioles
11. 2
12. 24
13. III – 2
14. Autosomal recessive / B
15. Telophase
16. Cytokinesis
17. tt
18. TT
19. Guard cells
20. Lower epidermis (upper epidermis will be considered wrong and just epidermis is worth only ½ point)
21. Xanthophylls or carotenoids (carotene will be considered wrong)
22. Chloroplast (thylakoids were also accepted)
23. Respiration
24. O₂
25. No
26. At least one parent needs to be affected
27. Metaphase 1
28. Tetrads (homologous pairs were also accepted but not chromatids or sister chromatids or chromosomes)
29. Spongy tissue or spongy mesophyll
30. Photosynthesis / allows air to circulate through the leaf
31. Red / Purple or red-purple
32. Anthocyanin
33. Ss
34. ¼ or 25%
35. Light is required for photosynthesis
36. Supported / proved
37. Microtubules or tubulin
38. Kinetochores
39. Paper chromatography or chromatography

40. These pigments are water insoluble or hydrophobic or fat-soluble or soluble in organic solvents
41. Anaphase
42. Anaphase 2
43. Xylem or vein or leaf vein
44. e^- donor to PSII releases O_2 / donates H^+
45. 4
46. 8
47. Interphase
48. DNA duplication / cell growth / organelle doubling
49. Chlorophyll b
50. Carotene
51. Mitochondria
52. Logger Pro / CO2 monitor
53. Crossing over (synapsis was not accepted)
54. Metaphase 1 (meiosis was not accepted)
55. X^HY
56. X^HX^h
57. Anaphase 2
58. 2
59. Chlorophyll a / chlorophyll b / chlorophyll
60. Xanthophylls / carotene / carotenoids/ anthocyanin