

**Photosynthesis/Cellular Respiration Review Answers for Honors**

**Photosynthesis Quiz**

1. I
2. J
3. G
4. H
5. P
6. U
7. T
8. F
9. E
10. K
11. B
12. C
13. R
14. M
15. D
16. O
17. A
18. S
19. B
20. D
21. A
22.  $6\text{CO}_2 + 6\text{H}_2\text{O} + \text{Energy} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$
23. Temp. stimulates the motion of molecules which increases the rate of photosynthesis; however as temps continue to increase the enzymes that control the biochemical pathways are denatured, the pathways stop functioning, and the process as a whole shuts down.
24. ATP and NADPH
25.  $\text{O}_2$ , ATP, NADPH
26. Glucose, ADP,  $\text{NADP}^+$
27. Light Reaction
  - a. thylakoid membrane
  - b. electron
  - c. photosystem II
  - d. plastoquinone
  - e. photosystem I
  - f. electron transport chain
  - g. NADPH
  - h. ATP
  - i.  $\text{H}^+$
  - j. Stroma