

Bioenergetics - Quick Fire Questions

This worksheet is fully supported by a video tutorial; <https://youtu.be/1nuYpKaQ3jA>

1. What is the word equation for photosynthesis?
2. What is the chemical symbol for carbon dioxide?
3. What is the chemical symbol for water?
4. What is the chemical symbol for oxygen gas?
5. What is the chemical symbol for glucose?
6. What is the symbol equation for photosynthesis?
7. How is energy transferred in photosynthesis?
8. What factors might affect photosynthesis?
9. How does temperature affect photosynthesis?
10. How does light intensity affect photosynthesis?
11. How does carbon dioxide concentration affect photosynthesis?
12. Sketch the graph to show how light intensity affect photosynthesis (Higher tier only)
13. Sketch the graph to show how temperature affects photosynthesis (Higher tier only)
14. Sketch the graph to show how carbon dioxide concentration affects photosynthesis (Higher tier only)
15. Is respiration exothermic or endothermic?
16. What is the word equation for respiration?
17. What is the symbol equation for respiration?
18. What is anaerobic respiration?
19. What is equation for anaerobic respiration?
20. What is anaerobic respiration in yeast cells?
21. How are the products of anaerobic respiration useful in the food industry?
22. What is oxygen debt?
23. Define metabolism.
24. What do sugars do?
25. What do amino acids do?
26. What do fatty acids do?
27. What does glycerol do?
28. What do carbohydrates do?
29. What do proteins do?
30. What do lipids do?
31. What can glucose be converted to?
32. What are lipids formed from?
33. What are proteins formed from?
34. What are amino acid formed from?
35. What do proteins are broken down into?

