**B4 REVISION –Higher tier**

1. Explain how temperature affects enzyme activity at (a) temperatures below 37oC (mention rate of reaction) and (b) temperatures above 37oC.
2. Explain the effect of pH on enzyme activity and relate this to the shape of the active site.
3. Recall the reactants and products of photosynthesis and write out the balanced symbol equation.
4. Recall the main stages of photosynthesis and outline 4 uses of glucose in the plant.
5. Explain active transport and the differences between active transport and diffusion.
6. Explain how active transport helps a plant to absorb minerals.
7. Explain what a limiting factor is and how light intensity can be a limiting factor.
8. Name 3 uses of energy in the body.
9. Recall the reactants and products of respiration and write out the balanced symbol equation.
10. Explain how cell the following cell structures are important in respiration (a) mitochondria (b) Nucleus (c) cytoplasm (d) cell membrane
11. Explain how anaerobic respiration is important in the food industry.
12. Explain how anaerobic respiration is important during exercise and how lactic acid is removed from the body.

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