17	. Explain how different factors affect	
	breathing.	
18	. Understand that knowledge of	
	digestion and a healthy diet allows	
	humans to live a healthier lifestyle.	
19	. Know what a balanced diet is,	
	(carbohydrates, lipids, proteins,	
	vitamins, minerals, dietary fibre	
	and water) and that the body	
	needs these for energy, growth and	
	maintenance.	
20	. Understand that the digestive	
	system breaks large food molecules	
	into smaller, soluble molecules	
	which can be absorbed into the	
	blood and transported to cells.	
21	. Describe the action of enzymes to	
	aid digestion.	
22	. Understand and use the test for	
	starch and glucose.	
23	. Know some effects of drugs on the	
	body.	
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Summ	er Term	
24	. Recall the photosynthesis equation	
	and understand that it occurs in	
	plants and algae.	
25	. Explain the functions of different	
	parts of the leaf and how they are	
	adapted for photosynthesis.	
26	. Describe the role of fertilisers and	
	the effects on crops when they lack	
	these minerals.	
27	. Describe the role of Palisade cells	
	and the organelles present in	
	them.	
28	. Describe and explain	
	the correlation between light	
	intensity and the rate of	
	photosynthesis.	
29	. Describe how xylem vessels	
	transport water and phloem tubes	
	transport glucose in a plant.	
30	. Understand that all living things	
	respire to release energy.	
31	. Explain how respiration is vital for	
	exercise.	
22	. Give examples of how	
	fermentation is used in food	
	production.	
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<ul> <li>33. Recall the word equations for aerobic and anaerobic respiration.</li> <li>34. Understand where the reactants needed for respiration come from.</li> </ul>	