

Pupil Progress Sheet Level 4 Biology - Planet Earth



	Learning Outcome	✓	?	✗
1	I can identify adaptations in different species and can explain why the adaptation is important for survival.			
2	I can use food chains and food webs to identify the feeding patterns in a habitat.			
3	I can define the following terms: producer, primary consumer, secondary consumer, decomposer, predator, and prey.			
4	In a food chain, I can identify producers, primary consumers, secondary consumers, and decomposers.			
5	I can define the term habitat, and list some biotic and abiotic factors in a habitat.			
6	I can identify the source of energy for all food chains and food webs.			
7	I can describe the effects that population changes in one organism have on others in the food web.			
8	I can explain what endangered and extinct species are, and can give examples of each.			
9	I can define biodiversity and describe some factors that affect biodiversity.			
10	I can name the three elements needed by plants for healthy growth.			
11	I can use the nitrogen cycle to explain why fertilisers are needed.			
12	I can name all parts of a flower.			
13	I can state the function of each part of a flower.			
14	I can name two ways that pollination occurs.			
15	I can describe the process of fertilisation in plants.			
16	I can describe the lifecycle of a flowering plant.			
17	I can name three ways that seeds are dispersed.			
18	I can state three things needed for germination to occur.			
19	I can state that sexual reproduction requires two parents and produces offspring with DNA from both parents			

20	I can state that asexual reproduction requires only one parent and produces offspring that are genetic clones of the parent.			
21	I can state two methods of asexual reproduction in plants.			
22	I can name the reactants and products of aerobic respiration.			
23	I can write a word equation to represent aerobic respiration.			
24	I can explain that respiration is a chemical reaction carried out by all cells to provide energy.			
25	I can explain how the respiratory system works to provide the oxygen needed for respiration and remove the carbon dioxide produced.			
26	I can name two limiting factors for aerobic respiration.			
27	I can describe how exercise affects the rate of respiration and breathing.			
28	I can state that anaerobic respiration occurs in the absence of oxygen.			
29	I can name the products of anaerobic respiration in animal cells.			
30	I can name the products of anaerobic respiration in plant and yeast cells and can give some industrial uses of this process.			
31	I can describe the balance between photosynthesis and respiration and can explain the effects of this balance being disrupted.			
32	I can give definitions for the terms: "renewable fuel," "non-renewable fuel," and "fossil fuel," and can give examples of each fuel type.			
33	I can explain why it is important to conserve fossil fuels.			
34	I can state that the term "biomass" refers to a variety of fuels that come from plant or animal material.			
35	I can state four different uses for biomass as fuels.			
36	I can compare and contrast biomass with fossil fuels.			


