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| **Year:** | **9** | **Unit:**  | **Body Systems** |
| **Subject:** | **Science** | **Assessment:**  | **Test** |
| **LG** | **LEARNING GOALS and SUCCESS CRITERIA** | **Where in my book is this?** |
| **1** | **SC1** | I can **define** the following: digestion, nutrient, saliva, enzyme, gastric juice, absorption, indigestion |  |
| **SC2** | I can **describe** the pathway of food through the digestive system |  |
| **SC3** | I can **explain** the role of each organ (mouth, oesophagus, stomach, liver, pancreas, S intestine, L intestine) involved in the digestive process |  |
| **SC4** | I can **explain** the difference between mechanical and chemical processes in the digestive system and give an example of each |  |
| **SC5** | I can **explain** the role of surface area in the villi and microvilli |  |
| **SC6** | I can **compare** the digestive systems of different species (Vulture, Koala and Humans) |  |
| **LG1** | **Students will understand that the digestive system breaks food down to nutrients that are able to pass into the blood and removes wastes.** |  |
| **2** | **SC7** | I can **define** the following: respiration, inhalation, exhalation, diffusion |  |
| **SC8** | I can **recall** the role of the major structures of the respiratory system |
| **SC9** | I can **describe** the diffusion of gases (oxygen and carbon dioxide) between the lungs and the blood |
| **LG2** | **Students will understand the respiratory system brings oxygen into the body and removes carbon dioxide** |
| **3** | **SC10** | I can **define** the following: circulation, oxygenated, deoxygenated, haemoglobin, pulmonary. |  |
| **SC11** | I can **identify** the structures of a mammalian heart through dissection |
| **SC12****SC13** | I can **compare** the circulatory systems of different species (Sharks, Grasshoppers and Humans) I can **identify** the key components of blood and the function of each |
| **SC14****SC15** | I can **compare** the structure and function of arteries, veins and capillariesI can **analyse** heart rate to **justify** a conclusion based on data  |
| **LG3** | **Students will understand the circulatory system uses blood vessels to transport nutrients to cells of the body and to remove wastes.** |
| **4** | **SC16** | I can **define** the following: excretion, urea, nephrons. |  |
| **SC17** | I can **recall** the role of the major structures of the excretory system |  |
| **SC18** | I can **describe** the role of the excretory system and kidney function (brief)  |  |
| **LG4** | **Students will understand the excretory system filters the blood to remove wastes.** |  |

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| **5** | **SC19** | I can **define** the following: coordination, neuron, synapse, neurotransmitter, reflex, endocrine gland, hormone, insulin, glucagon, diabetes |  |
| **SC20** | I can **recall** the 2 divisions of the nervous system and the main parts of the brain and their function  |  |
| **SC21** | I can **describe** the structure of a neuron |  |
| **SC22** | I can **evaluate** whether a response is due to a reflex arc |  |
| **SC23** | I can **identify** the major endocrine glands, their hormone/s and their function/s |  |
| **SC24** | I can **describe** how insulin and glucagon maintain the correct level of blood glucose using a diagram |  |
| **SC25** | I can **compare** an endocrine response to a nervous response |  |
| **LG5** | **Students will understand that the coordination of all body systems is carried out by the nervous and endocrine systems**  |  |
| **6** | **SC26** | I can **define** the following: pathogen, toxin, disease, antigen, antibody, inflammation, bacteria, fungi, viruses |  |
| **SC27** | I can **recall** at least 3 pathogens, the diseases they cause and the method of transmission |  |
| **SC28** | I can **recall** and **explain** the 1st line of defence (physical vs. chemical barriers) |  |
| **SC29** | I can **recall** and **explain** the 2nd line of defence. |  |
| **SC30** | I can **recall** and **explain** the 3rd line of defence. |  |
| **SC31** | I can recall the difference between infectious and non-infectious diseases |  |
| **LG6** | **Students will understand the immune system protects the body from pathogens and their toxins** |  |