

## Year 9 Science - Human Biology Outcomes

### Digestion System

1. Describe the interaction between food, energy and the 7 life processes.
2. List the 7 main food groups and include the sources and function of each.
3. Define what RDI means and explain which foods help to keep within the RDI
4. Describe the modes of nutrition for plants and animals
5. Describe the key stages of the digestive cycle including labelling the relevant organs
6. What is the role of enzymes and what conditions are required to make them work?
7. Define decomposition and preservation of food and describe methods of preserving food
8. Explain how diffusion and semi permeable membranes relate to the small intestines

### Respiration System

9. Label and describe the role of the organs of the respiration system including, left and right lungs, trachea, larynx, alveoli, cilia, bronchi and bronchioles
10. Describe how humans get air into and out of the lungs
11. Describe what ozone and CFCs are and the issues surrounding CFCs

### Circulatory System

12. List the different parts of blood and what they do.
13. Explain the importance of knowing blood types
14. Compare the differences between the 3 blood vessels
15. Label a diagram of the heart and list the order that blood flows through the heart and body
16. Describe the causes and treatments for heart diseases

### Excretion System

17. List what the three main excretory products are and where they are excreted

### Skeletal and Muscle System

18. Describe the purpose of the skeleton and its joints. Label a simple joint diagram.
19. Explain how muscles work with the bones to cause movement. Name the part that connects muscles to bones