Cells, Tissues and Organs

Topic Checklist / Progression Check

I know this colour green	I'm not sure colour yellow	I don't know this colour red

Subtopics and Learning Objectives	Start	End
Life Processes		
- Recognise the difference between organisms and non-living things		
- Recall and describe the life processes		
Organs		
- Identify and locate important plant and animal organs		
- Describe the function of important plant and animal organs		
- Describe what happens in photosynthesis		
Organ Systems and Tissues		
- Order the levels of organisation within an organism		
- Identify and recall the main organs and tissues in plants and animals		
- Identify reasons for why people may have organ transplants		
Cells		
- Identify and describe the function of the main parts of animal cells and plant cells		
- Outline how the structure of DNA was discovered		
- Explain the importance of DNA and the relationship between chromosomes, DNA, genes, genetic information and nuclei		
Core Practical – Using Microscopes		
- Describe how to prepare a microscope slide		
- Label and describe how to use a light microscope to examine a specimen.		
Unicellular or Multicellular		
- Use cell features to identify members of different kingdoms		
- Explain differences between unicellular and multicellular organisms		
Microscopic Fungi		
- Explain how yeast are used in brewing and baking		
- Describe how yeast reproduce and the factors that limit this		
Core Practical - Yeast Respiration		
- Investigate whether the amount of carbon dioxide produced by respiring yeast depends on the temperature		

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