AQA Biology
GCSE Student activity

B1, Topic 1.4

Name ..... Class ..... Date .....

Types of specialised cells

Specification reference:

- B1.1.3 Cell specialisation

Aims

Cells are the building blocks of life – every animal and plant is made up of them. In this activity you will label the crucial parts of a cell and then describe functions and features of specialised cells. It is important that you think about how a cell is adapted to do its job.

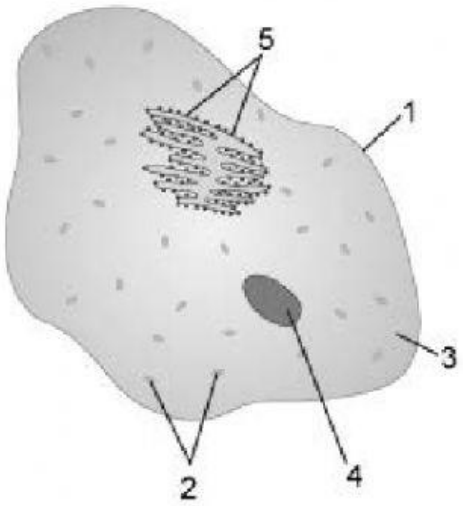
Learning outcomes

After completing this worksheet, you should be able to:

- understand how animal cells may be specialised to carry out a particular function
- understand how the structure of animal cells relates to their function in a tissue, an organ or organ system, or the whole organism.

Questions

1 Label the different parts of the animal cell in the diagram below.



© Oxford University Press 2016 www.oxfordsecondary.co.uk/acknowledgements
This resource sheet may have been changed from the original.

Name ..... Class ..... Date .....

2 Complete the following table to show the function of each type of cell and the special features that enable it to perform its function.

Type of cell	Function	Special features
Nerve cell		
Sperm cell		
Ciliated epithelial cell		
Muscle cell		
Red blood cell		

Extension activity

Your task is to make a model of one of these cells. You can use whatever materials you like, even food (jelly makes great cytoplasm!).

© Oxford University Press 2016 www.oxfordsecondary.co.uk/acknowledgements
This resource sheet may have been changed from the original.