



Getting Ahead – Pre-course Work

#ThinkBrock

Human Biology Level 3 Extended Certificate (A Level Equivalent)

Welcome to **Human Biology**. In preparation for the start of the course, please complete these tasks and have them with you to hand in during your first week of college in September.

These tasks should take you approximately four and a half hours to complete and are designed to give you an introduction to the subject, and the expectations we have for you to complete at least four and a half hours of independent study, per subject, per week.

Cell structure and function

Task 1

Use the link below to help you build an animal cell based on what you would have learned for GCSE Biology/Science.

[Recap cells GCSE](#)

Task 2

1. Click on the **first** link below and start the animation to discover the structure of animal cells, here you will notice some new organelles.
2. Click on the **second** link below and select the 'Structures' icon from the list of Tools on the left-hand side of the screen to take a closer look at the organelles. Click on the **cell division** tab at the bottom of the screen when viewing the animal cell. Write down the order of the stages of cell division.

[Interactive Eukaryotic Cell Model](#)

[Effigios Explorer - interactive anatomical 3D models](#)



Primrose Kitten Academy

Task 3

Primrose Kitten has made video resources, quizzes and teaching of the topics we will cover. We will be using this website throughout the course. Sign up for **free** on the link below. You will just need to provide an email address and make a password.

[Cambridge Advanced National Alternative Academic Qualification \(AAQ\) Human Biology Revision Bootcamp](#)



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Ready for a quiz?

Explore the website and **take the exam** shown below when you have watched the video and are happy with the content on Eukaryotic cells:

Cambridge Advanced
National Alternative
Academic Qualification
(AAQ) Human Biology
Revision Bootcamp

2 %

Path

▲ 3. Fundamentals of Human Biolo...

- ▶ Eukaryotic Cell Structure
11:26
- 📎 Eukaryotic Cell Structure N... ✓
- 📎 Eukaryotic Cell Structure Fl... ✓
- 🔍 Structure of eukaryotic ce...

Exam

Read carefully and answer the following questions.

Ready to start

Click on this tab and start the exam. Screenshot this to show your score to your lecturer in the first lesson.

Task 4 Worksheet – Add the correct labels. You may wish to outline their function underneath.

Complete the attached worksheet below and add the correct labels. You will need to bring this with you to your first lesson as evidence of completion of the pre course task.



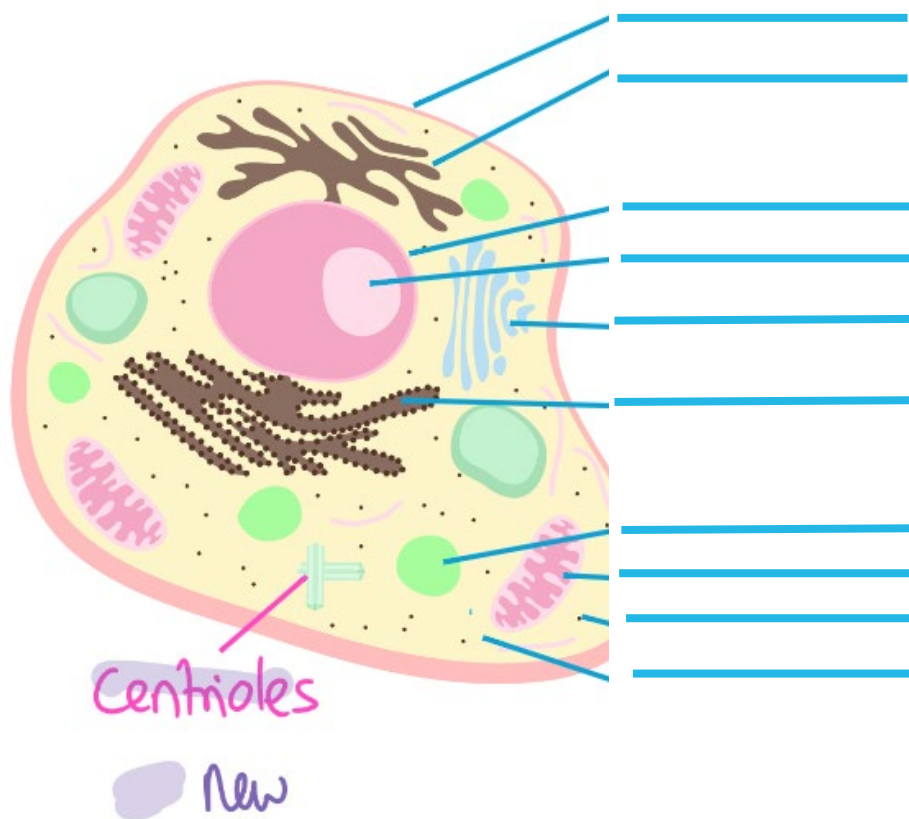
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www.PrimroseKitten.com
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Eukaryotic Cell Structure

Animal Cell



Choose 3 organelles and outline their functions below:



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Getting Equipped

You will need the following for this course:

- Pens
- Pencil
- Ruler
- Scientific calculator
- Eraser
- Optional - highlighters