

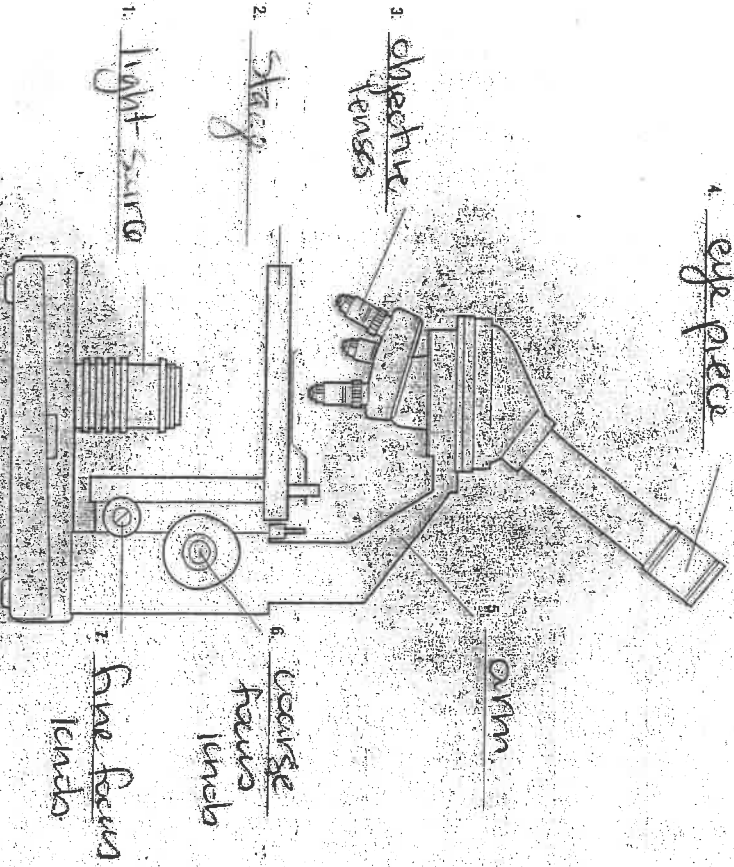
Koy



Use with textbook page 12.

### The compound light microscope

Identify the following parts of a compound light microscope.



### Microscopes

Use with textbook pages 11-14.



Vocabulary	
coarse focus knob	magnification power
compound light microscope	objective lenses
electron micrograph	resolving power
eyepiece	reversed
fine focus knob	right side up
light source	upside down

Use the terms in the vocabulary box to fill in the blanks. Use each term only once. You will not need to use all the terms.

- The compound light microscope is the microscope usually used in science classes and medical laboratories.
- The eyepiece lens that magnifies is used for viewing and contains a medium power.
- The coarse F.F. brings an object into focus at low or medium power.
- The fine F.F. brings an object into focus at high power.
- The objective lenses have different magnification power to magnify the object.
- The light source supplies the light needed to view the slide.
- The ability to distinguish between objects that are very close together is called resolving power.
- When you look through a microscope, you will observe an image that is magnified, upside down, and reversed.
- An electron micrograph is a picture taken by a camera hooked up to an electron microscope.

**CHAPTER**

**Parts of an Animal Cell**

**BLM 1-18**

**Goal** • Use this page to review the vocabulary of animal cells by labelling a diagram.

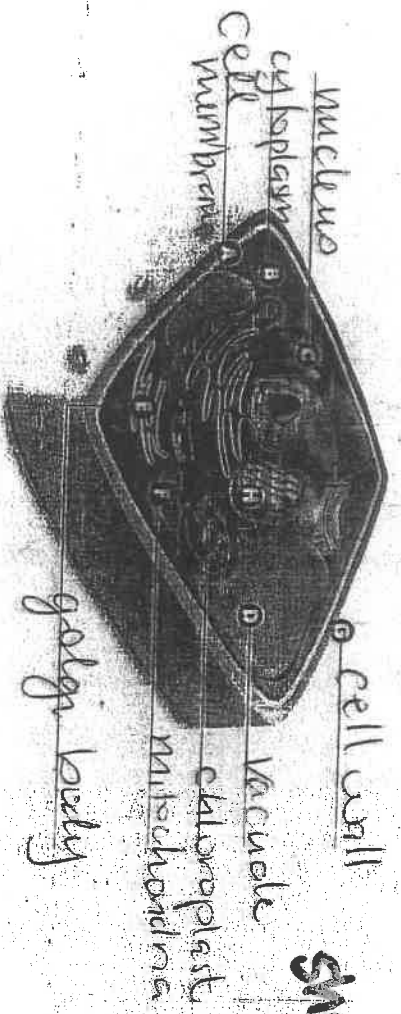
**What to Do**

Below is a diagram of an animal cell. Label the parts of the cell indicated by each letter. For assistance, turn to page 27 in *BC Science 8*.



**What to Do**

Below is a diagram of a plant cell. Label the parts of the cell indicated by each letter. For assistance, turn to page 27 in *BC Science 8*.



**CHAPTER**

**Three Examples of Osmosis**

**BLM 1-22**

	A	B
<p>Example 1</p> <p>equilibrium</p>	<p>water particle solute particle</p>	
<p>Example 2</p> <p>more sugar vs water</p> <p>water → into the cell</p>	<p>water particle solute particle</p>	
<p>Example 3</p> <p>more water than sugar</p> <p>shrinky or contracting</p>	<p>water particle solute particle</p>	

Copyright © 2006, McGraw-Hill, a subsidiary of The McGraw-Hill Companies. All rights reserved. This page may be reproduced for classroom use for the purpose of this book, without the written permission of the publisher.