

Inquiry into Life 11th Edition
BIOLOGY 12 TRACKING SHEET

Name: _____

UNIT	DESCRIPTION	TEXT CHAPTER	Workbook Mark	Test Mark	Section Mark	UNIT MARK	DATE
1	1a - cell structure	3					
	1b - cell membrane	4					
2	2a cell compounds and biological molecules	2					
	Cell division	5					
	2b enzymes/metabolism	6					
3	3a DNA and protein synthesis DNA Technology	24					
	3b cancer	25					
4	digestive system	14					
5	circulatory system	12					
6	respiratory system	15					
7	excretory system	16					
8	nervous system	17					
9	reproductive system	21					
10	Final Exam	Cumulative - all units				Mark	Date
	FINAL COURSE GRADE _____						DATE _____

BIOLOGY 12 - COURSE OUTLINE

Reading

There is quite a bit of reading required in this course. Pay attention to text and diagrams. **Make summary notes as you read.** Note also that many test questions, especially diagrams, will be taken from the handout notes.

It is strongly advised that you talk with your teacher about the readings BEFORE you begin each new unit. Within some of the assigned readings there may be small sections or diagrams that are not necessary for you to learn. A short conference with your teacher about the upcoming readings could save you time and undue stress.

Questions

The following is a unit by unit description of the work to be done in this course. Generally, this process will include completing the:

1. Read through the unit and take notes as you read
OR add to the **Chapter Notes** hand-out
2. Complete the **Chapter Review Questions** and mark these using the Answer KEY
3. Complete the **Unit Worksheets**
These are marked by your teacher and are worth 30% of the Unit Grade
4. Write the **Unit Test** – worth 70% of your Unit Grade

UNIT	READINGS	WORKBOOK QUESTIONS
1a cell structure	Chapter 3; pages 46 – 62 (understand general function of cytoskeleton only, p 58 – 61)	Chapter Notes Handout Chapter Review Questions from teacher Unit Worksheets – 30% Test – 70%
TEST		
1b the cell membrane	Chapter 4; pages 68 – 77	as above
TEST		
2a cell compounds and biological molecules Cell division	Chapter 2; page 26 (starting with "water and living things") to page 41 Chapter 5; p 82 - 97	as above
TEST		
2b enzymes and metabolism	Chapter 6; pages 106 - 111 Chapter 20; pages 399 (1 st 4 paragraphs only) (note: thyroxin = thyroxine)	as above Additional questions from Chapter 20: 1. Identify the source gland for thyroxin and explain the function of thyroxin in the body. 2. A person suffering from hypothyroidism may be slow and sluggish, while a person suffering from hyperthyroidism may be quick and nervous (ie: hyperactive). Relate these symptoms to the function of thyroxin.

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TEST		
UNIT	READINGS	WORKBOOK QUESTIONS
<p style="text-align: center;">3a</p> <p>DNA and protein synthesis</p> <p>DNA Technology</p>	<p>Chapter 24; pages 486 – 502</p>	
TEST		
<p style="text-align: center;">3b</p> <p>cancer</p>	<p>Chapter 25; pages 508 - 517</p>	
TEST		
<p style="text-align: center;">4</p> <p>digestive system</p>	<p>Chapter 14; pages 260 - 281 (omit section on teeth)</p> <p>Chapter 20; pages 404 – 405</p>	<p>Additional questions from Chapter 20:</p> <p>1. Identify the source gland for insulin and give 3 functions of insulin.</p>
TEST		
<p style="text-align: center;">5</p> <p>circulatory system</p>	<p>Chapter 12; pages 218-234</p> <p>Chapter 14; the lymphatic system on pages 240-255</p> <p>Chapter 22; pages 454-455 (fetal circulation)</p>	
TEST		
<p style="text-align: center;">6</p> <p>respiratory system</p>	<p>Chapter 15; pages 286 - 299 p296-299 (know symptoms & cause of these diseases)</p>	
TEST		
<p style="text-align: center;">7</p> <p>excretory system</p>	<p>Chapter 16; pages 304 - 313</p> <p>Chapter 20; p396 (antidiuretic hormone) and page 402 (aldosterone)</p>	<p>Additional questions from Chapter 20:</p> <p>1. Identify the source glands for ADH and aldosterone and explain how each of these hormones are regulated.</p> <p>2. Relate ADH, aldosterone and the nephron to the regulation of water and sodium levels in the blood.</p>

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TEST

UNIT	READINGS	WORKBOOK QUESTIONS
8 nervous system	<p>Chapter 17; pages 320 - 341</p> <p>Chapter 20; page 401 (adrenalin)</p> <p>Chapter 20; pages 396- 398 (especially Fig. 20.2 hypothalamus and pituitary gland)</p>	<p>Additional questions from Chapter 20: Identify the source gland for adrenalin (also called epinephrine) and explain its role in the "fight or flight" (emergency) response.</p> <p>More questions from Chapter 20: Fully explain how the hypothalamus and pituitary gland interact as the neuroendocrine control center.</p>
TEST		
9 reproductive system	<p>Chapter 21; pages 416 - 437</p> <p>Chapter 20; page 396 (oxytocin)</p>	<p>Additional questions from Chapter 20:</p> <ol style="list-style-type: none"> 1. Name two functions of the hormone oxytocin. Include the name of the target organ(s) involved. 2. Where is oxytocin produced? 3. Where is oxytocin stored? 4. Discuss how oxytocin is controlled by a positive feedback mechanism.
TEST		
10 CUMULATIVE TEST		