Name:		

Chapter 2 Quiz

Part A: Modified True/False

Indicate whether each statement is true or false. If false, change the underlined word or phrase to make the statement true.

- 1. Multicellular organisms grow by increasing the size of their cells. <u>Number</u>
- 2. Instructions for all cell activities are coded for by proteins. DNA
- _______ 3. The stage of the cell cycle in which a cell is not actively dividing is known as <u>interphase</u>. ______
- F 4. A change in a cell's genes is known as a cancer. Mutation
 - 5. A cancer tumour that does not interfere with the cells around it is known as a benign tumour.

Part B: Completion

Complete the following sentences.

- 6. If one cell undergoes division and continues to do so for five divisions, there will be _____ cells.
- 7. The part of the cell that contains all of the materials needed to make ribosomes is known as the <u>mclolos</u>.
- 8. A chemical substance that can cause cancer is known as a <u>carcinog en</u>

 9. A cancerous tumour may spread to other parts of the body by the process of

Part C: Matching

Match each of these words to their correct description.

- ____10. chromosomes
- (a) provide energy for the cell
- (b) location of most cell activity including absorbing, moving, and processing materials
- D 12. ribosomes
- (c) contain genes
- <u>B</u> 13. cytoplasm
- (d) produce proteins

Name:	Date:
Chapter 2 Quiz (continu	red)
	ieu)
Part D: Multiple Choice Circle the letter beside the answer	r that best completes the statement or answers the question.
14. Cell division is used for	t that best completes the statement of answers the question.
(a) reproduction	(b) growth
(c) repair	(d) all of the above
15. Mitosis proceeds through a	series of stages. These, in order, are
(a) interphase, metaphase, (b) prophase, metaphase, a (c) prophase, anaphase, me (d) metaphase, telekinesis,	naphase, telophase etaphase, telophase
	which the cytoplasm is divided into two parts is called
(a) cytokinesis	(b) telophase
(c) interphase	(d) binary fission
	place lost limbs or other body parts. This ability is called
(a) fragmentation(c) budding	(b) vegetative reproduction (d) regeneration (check out page 59)
	ements about DNA is not true?
(c) In DNA, adenine is alw	oks like a twisted ladder (double helix).
Part E: Short Answer Use sentences to answer the follo	owing questions
19. At some time in your life, y	ou cut yourself on a piece of glass or some other sharp aces, explain why that cut is no longer bleeding, and the
Over time, your ski	1 cells regrow to close up/cover up the cut
and prevent blee	ding once the scab (dried blood) falls
with regeneration.	s. Name one organism that can reproduce via fragmentation
Sea stars and flatw	orms! When a small part of the animal breaks
of of a sea star, the	orms! When a small part of the animal breaks sea star can "regenerate" and regrow a
body raya.	v