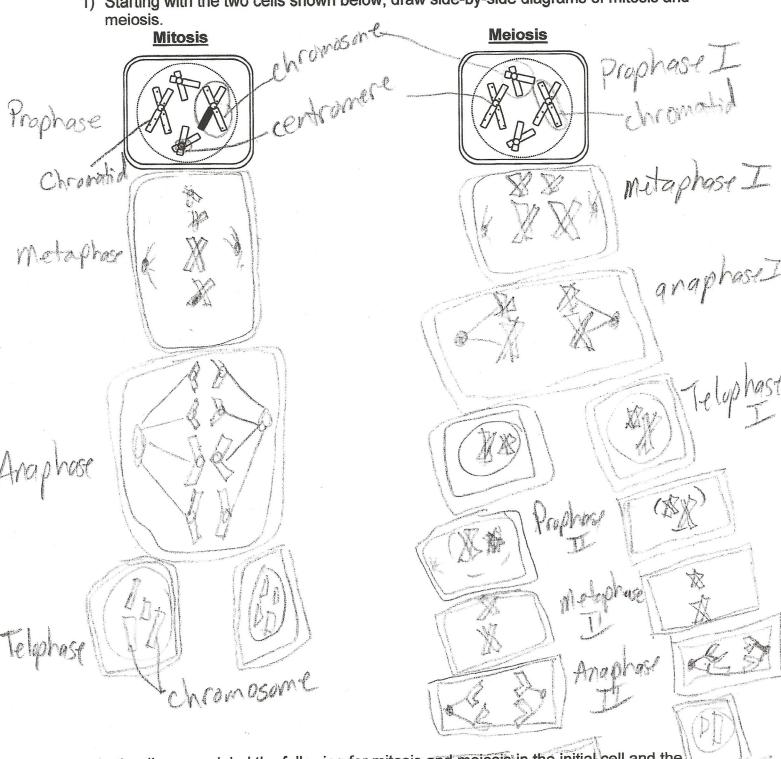
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Date

Unit 6 - Growth and Reproduction

Exercise 5

1) Starting with the two cells shown below, draw side-by-side diagrams of mitosis and



a. In the diagrams, label the following for mitosis and meiosis in the initial cell and the products: chromosome, centromere, chromotid Telophone

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Unit 6 - Growth and Reproduction

Chromisme

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Exercise 5

b. For the diagrams on page 1, complete the following table:

Superior C	Haploid or diploid?	2n or n? n = number of chromosomes sets	Chromosome number How many sets of chromosomes?	Number of cells
Mitosis, initial cell	diploid	2n	4	X/1-00
Meiosis, initial cell	diploid	2 n	4	Tieren
Products mitosis	diploid	an	4	2
Products meiosis	haploid	h	2	4

2) It has been said that meiosis is mitosis done twice. Do you agree or disagree with this statement? Justify your answer.

s) Compare mitosis	and meiosis on the	similarities and dif	terences chart s	shown below.	
	Similarities	Differences	s		
each Star	thing cells)	endisd	Herest	mitosis - 20 neiosis - 40	ells
70		mitosis o	toes 1 set	t of phases	
each go	through	meiosis e	loes 2 se	to of phase	es
prophase	through metaphase teleophase	mitosis-	ends wit	h exact cop + father Di ith have of	14
initial cell and the	em nissisolem pros si	of ba	and soll eman	+ Father OL	1.A
5 de 10 (10)		DA	lA Ince	ith have of	
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