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## Meiosis Guided Reading Unit 6.3 (Chapter 11.4)

	are the carriers of genes.	
Humai	ns have 46 chromosomes. How many chromosomes does a fruit fly have?	_
_	of chromosomes in which one set comes from the male parent and the other corresp mes from the female parent is said to be	onding
The di	iploid cells of most adult organisms contain	
	cells contain only a single set of chromosomes.	
	means "one set" means "two sets"	
Haploi	id gamete cells can be represented by the symbol "N." How is a diploid cell represent	ed?
	nan's diploid number can be written as 2N=46. How can our haploid number be written	en?
Define	e meiosis:	
	re the two distinct divisions of meiosis called?	
b.	What process occurs during Prophase I?	
Draw a	a tetrad undergoing the process of crossing over.	
 \1	lines up across the center of the cell during metaphase I?	

	Anaphase I	Anaphase II	
		osis II?	
D.	How is this different from the res	sult of meiosis I?	
In voi	ur own words, distinguish betwee	n a gamete and a zygote:	
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a) b)		ferences between mitosis and meiosis.	
b) Descr	ibe two similarities between mitos	sis and meiosis.	
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b) Descriction (c) d) Mitosearly: Meios	ibe two similarities between mitor sis can be a form of step in sis reduces the chromosome numb	sis and meiosis.  reproduction, whereas m reproduction.  per by while m	eiosis i
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