LS Notes CH 4.3	THE CELL AND INHERITANCE Name:
Questions (think of questions	A. Chromosomes and Inheritance
that might be on the exam)	a. 1903 – American geneticist Walter Sutton
	b. Asked the question – how do form?
	c. Studiedcells and discovered:
	i. Body cells havechromosomes
	ii. Sex cells have chromosomes
	1. Chromosome pairs
	a) Grasshopper offspring have 24 chromosomes =
	b) One chromosome in each pair
	2. Genes on Chromosomes
Q. What is the relationship	a. Alleles are forms of a gene –
between alleles and	b. Chromosome theory of
chromosomes?	i. Genes are carried from to their
	on
	B. Meiosis
	a. Meiosis –
	and eggs)
	b. What Happens During Meiosis
	a) 1 parent cell's chromosomes are
	b) Parent's chromosomes are in pairs =
	c)Pairs separate into daughter cells
	d) Chromosomes and daughter cells
	1
	2. have
	3 chromosome comes from each original pair
	c. Meiosis and Punnett Squares
	a) Punnett squares show what happens during
	b) Chromosome pairs separate to each
	c)Alleles on the chromosomes also separate ()
	C. A Lineup of Genes

b)

Summary (Complete about 5 sentences on Back):

a. Chromosomes are made up of many ______a) A human body cell has

A human body cell has

b. Genes are _____