

The Nucleus, DNA, and Chromosomes – Chapter 4 Notes (Pages 125 – 129)

Heading	Key Term(s)	Summary of Information	Wondering(s)
The Nucleus: Control Centre of the Cell	<i>Cell Organelles Nucleus</i>	<i>Even though body cells can have different functions, they have the same parts and organelles. Nucleus directs + controls cell activities, which includes the ability of a cell to grow, develop, replicate, and divide.</i>	<ul style="list-style-type: none"> • Do different types of cells have the same DNA? • How does the nucleus direct a cell's activities? • What are Retina Cells?
New Learning:	<ul style="list-style-type: none"> • Different cells have the same DNA, but they have different genes that are expressed in order to carry out different functions • Retina cells are specialized photoreceptor cells found in the back of the eyeball 		

Heading	Key Term(s)	Summary of Information	Wondering(s)
DNA carries the master set of instructions for cell function			
New Learning:			

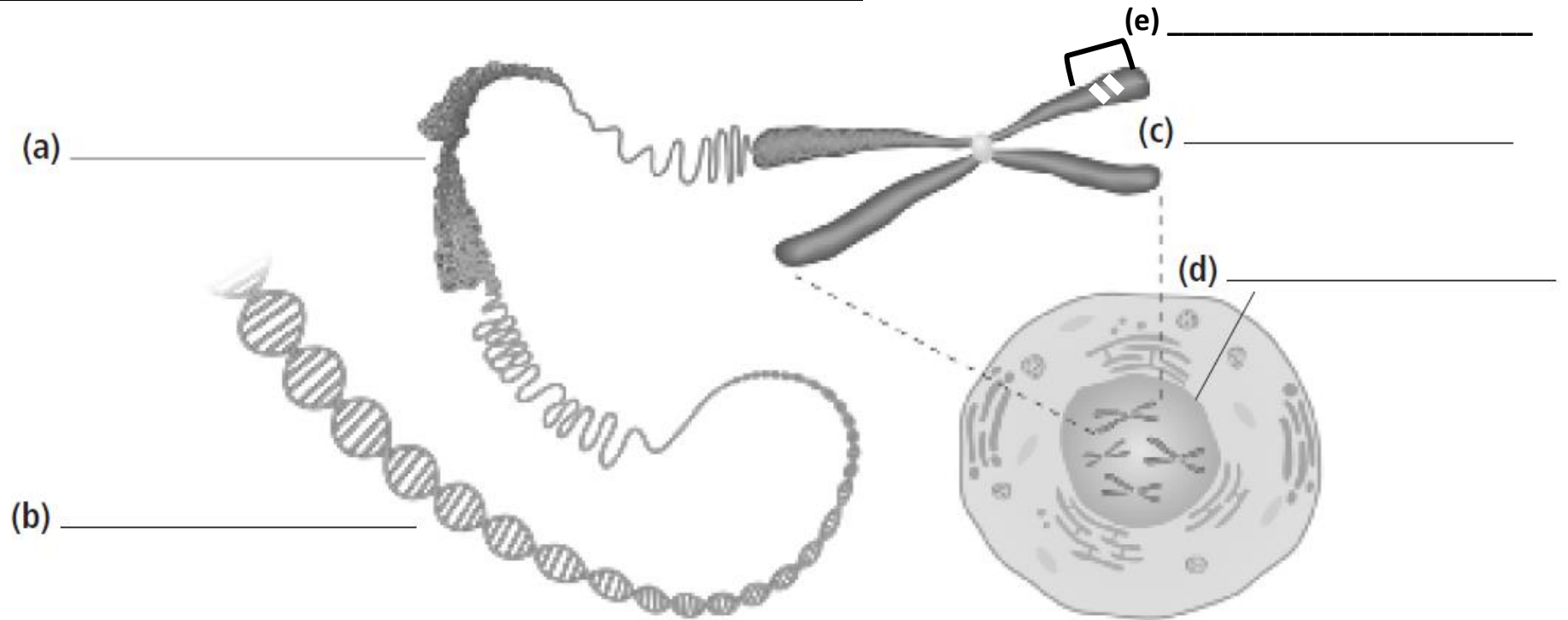
Name: _____ Block: _____

Heading	Key Term(s)	Summary of Information	Wondering(s)
The arrangement of bases in DNA directs all cell activities			
New Learning:			

Heading	Key Term(s)	Summary of Information	Wondering(s)
DNA is stored in chromatin			
New Learning:			

Name: _____ Block: _____

Relationship between DNA, Chromatin, Chromosomes, and Genes



Heading	Key Term(s)	Summary of Information	Wondering(s)
Every organism has a characteristic number of chromosomes			
New Learning:			

Heading	Key Term(s)	Summary of Information	Wondering(s)
Genes are found on chromosomes			
New Learning:			