Name			Date	Section
	Life Science 7	7 Cells Unit – Ad	ctivities 10, 1	1 & 12 Study Guide
		Homeostasis a	and Cell Proce	<u>esses</u>
1. Homeostasis i				
Explain why home	eostasis is impor	tant for survival		
Identify the needs	s of cells			
Describe how cells	s can get energy	by photosynthesi	s and cellular 1	respiration
Explain that home	eostasis is maint	ained at the cellu	ılar level and a	t higher levels (organism level)
Explain why cells	divide. Describe	the cell cycle		
Discuss why mate	erial exchange is	important for cel	ls	
Compare passive	transport to activ	ve transport		
Compare endocyto	osis and exocytos	is		
2. Homeostasis i Explain how orga:	_	nd to changes in t	their environm	ent
		Chemis	stry of Life	
1. Atoms and Mo Explain that atom		o form the molect	ules found in li	ving things
List the six eleme	nts most commo	nly found in livin	g things	
Define compound				

2. Molecules for Life Processes
Explain why nutrients are important to all organisms
Identify the four main types of molecules in cells
Illustrate the role of water in cells
Levels of Cellular Organization 1. Cells to Organisms Define organism
Identify that living things are unicellular and multicellular, and list characteristics of multicellular organisms
List levels of structural organization
Define specialization
Define tissue, organ, and organ system
2. Cell Structure and Function Define structure and function
Explain the basic relationship between the structure and function of tissues, organs, and organ systems
3. Systems Work Together Describe how various organs and tissues serve the needs of cells for nutrient and oxygen delivery and

waste removal