6		Sten	n Cells Spotli	s s and a second	
Log on to answers	o: http://gslc.g to the questior	enetics.utah.edu 1s below.	/units/stemcells	and explore this module to fir	nd the
1. What	is a stem cell?				
2. What	does it mean to	differentiate?			
3. A sten	n cell differenti	ates by making n	ew		
L	ipids C	arbohydrates	Proteins		
4. Drag S is the	Stem Cell Guy scientific name	into the Different of the cell type S	tiation Booth and Stem Cell Guy w	d dial #5 for Skeletal Muscle Ce rill become?	ll. What
5. Return the inf	n to the Differen formation giver	ntiation Booth an n. Write the cell t	d choose anothe type you chose, t	r type of cell. Create a quiz que the question, and its answer belo	estion fro ow.
6. Fill ou	it the table belo	W			
		D	efinition	Example cell type	
	Totipotent				
	Pluripotent				
	Multipotent				
Ν					

8. Examine the steps in "What is the Recipe for Success?" What type of cells were researchers hoping to replace in patients with Parkinson's disease? What type of cells did researchers use and what made them a good choice? Why is tissue typing necessary in stem cell therapies? How did surgeons deliver the stem cells to Parkinson's patients? 9. What types of stem cell therapies are in use today? 10. How might therapeutic cloning aid stem cell therapies in the future? 11. What are some potential sources of embryonic stem cells for use in research and stem cell treatments? 12. "What Do You Think?" Vote in the online survey. How do your opinions compare to those of others?