Name:			

Topic 7: Cell Specialization & Stem Cells



Ster	n C	ell	s:

A cell that can become _____ of cell

What is a stem cell? A single cell that can differentiate into many cell types. only i dates borney for \$ Spand Adolesce, y Spand Adolesce, y Spand Adolesce, and the standard of the Spand of the Sp

Cell Specialization:

- Different parts of _____ are turned _____
- Cells becomes different _____
- Shapes allow cells to do ______jobs

Single Cell Mitosis Two Daughter Cells Containing Identical Copies of DNA Expression of NeuronSpecific Gene Expression of Epithelial Specific Gene Epithelial Cell

Specialized Cells in Our Bodies:

Type of Cell	Job / Function	Shape	
Muscle Cells			
Nerve Cells			
Red Blood Cells			
Bone Cells			
Skin (Epithelial) Cells			
Fat Cells			

Topic 7: Tissues



When	cells work together to perform a common		
main types of tissues			
Connective Tissue:		80000	
•	_, supports, or	0000	
cells and tissues		as as	
■ Ex			
Epithelial Tissue:			
Covers	and		
body surfaces			
• Ex			
Muscle Tissue:			
Enables body parts to	, exert	or change	
■ Types			
0	forms organs		
in the body			
0	heart		
0	move bones		
	Smooth (treate	muscle fissue Cordioc muscle fissue Skaletol muscle fissue many control [Mulestary control]	
Nervous Tissue:			
•&			
information			
■ Ex			