NAME	DATE



Go, Go, Stem Cells

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An Introduction to the Stem Cell Niche

What is a stem cell niche?	
How does the niche control stem cell differentiation?	
What can happen if the niche doesn't function properly?	
Brain Cell Niche	
What two types of cells did the stem cells differentiate into?	
What are functions of the newly differentiated cells?	
Blood Cell Niche	
Newly differentiated red blood cells from this niche produce hemoglobin. What is hemoglobin?	
How long will the red blood cell live in the bloodstream before a new one takes its place?	

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Hair Follicle Niche		-
What type of cell did the stem cell differentiate into?		
What other types of cells can stem cells from this niche become?		
Bone Cell Niche		
When do stem cells in this niche receive a lot of signals?		
How do osteoblasts from this niche build and repair bones?		
Intestinal Cell Niche		
What type of cell did the stem cell differentiate into?		
What is the function of the newly differentiated cell?		

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