

## Bio Topics! ahh Cheat Sheet by VanessaG via cheatography.com/32617/cs/13447/

## Stem Cell differentiation/Manipulation

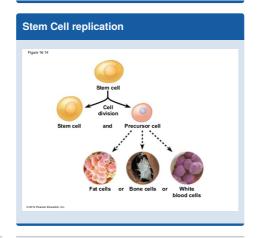
ı			
	stem cells	can give rise to progenit or cells progenitor cells give rise to	can divide into another stem cell and progenitor cell (or 2 stem cells OR two progeintor cells) this ability is how stem cells maintain their own population and generate differentiated cells
	pluripotent	capable of differentiating into many different cell types	
	progenitor cells	can differentiate into one of several cell types depending on	

external factors

## Stem Cell differentiation/Manipulation (cont)

(iPS)	turns	using	appeared
induced	differe	retroviral	to
Pluripot	ntiated	vector	generally
ent	cells	introduces 4	function
System	into	genes into	just likee
cells	undiffe	fully	an
	retiate	differentiated	embryonic
	d cells	human (skin)	cell
	these	cell	but there
	undeiff	(experimental	are
	erenti	)	differences
	ated		in gene
	cells		expression
	are		and other
	called		cellular
			functions

## Topic 1 11/08





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Not published yet.
Last updated 8th November, 2017.
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