



Unit 2 Appendix I: Stem Cell Table – Teacher Version

Description	Embryonic Stem Cells	Progenitor Cells	Adult Stem Cells
Where found	Morula and Blastocyst inner cell mass	Throughout body in different tissues and organs	Throughout body in different tissues and organs (stem cell niche)
Pluripotent	Yes	No	No
Multipotent	No	Yes (uni- or bi-)	Yes
Totipotent	Yes (only in morula stage or earlier)	No	No
Type of cell division	Asymmetric	Symmetric	Asymmetric
Maintenance of Self-renewal	Yes	Yes	Yes
Population reaches maximum amount of cells before differentiating?	Yes	No	No
Function	Cells make tissues and organs in developing organism	Repair, growth and replenishment	Repair, growth and replenishment