

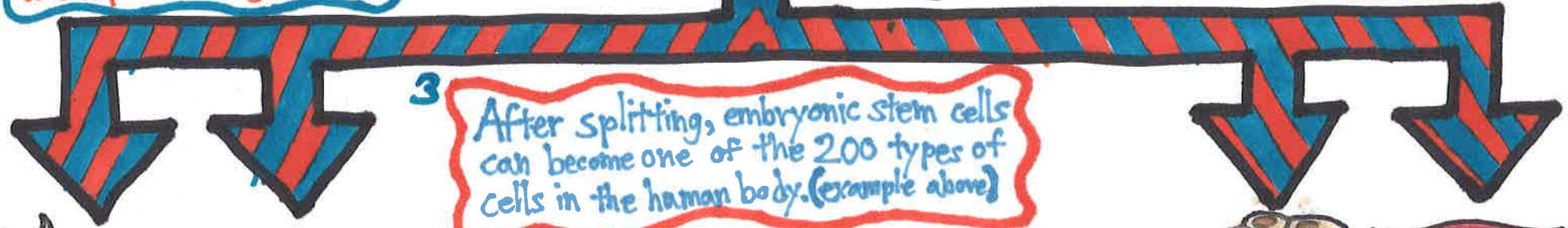
More Stem Cells



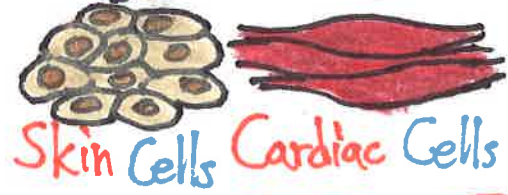
1 Stem Cell

1 Stem cells originate from embryos and adult body tissues. Embryonic stem cells are what this poster is covering.

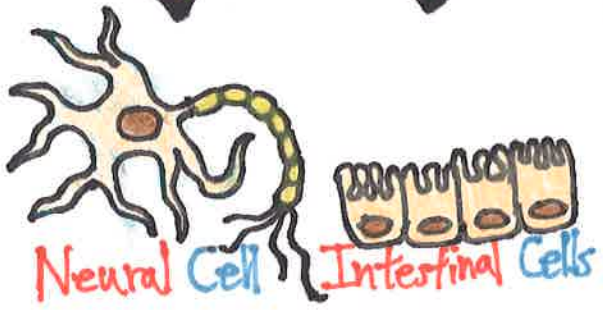
2 Stem cells can self-renew and reproduce using mitosis.



3 After splitting, embryonic stem cells can become one of the 200 types of cells in the human body. (example above)



Skin Cells Cardiac Cells



Neural Cell Intestinal Cells

5 But what about adult stem cells? They aren't functional, but scientists are studying embryonic stem cells to unlock the secret of their ability, and use it with adult ones. *They can't transform

4 Imagine an adult without a job. This is our stem cell. (Shown left) Once they get a job, they become specialized.

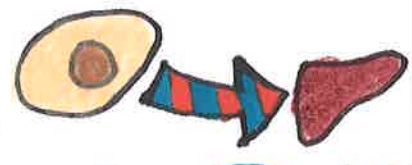


Unemployed

Employed

Stem Cells

An Advancement in Biotechnology



6 Stem cells could even be used to grow certain organs. Research is being done.