

- there are different types of stem cells with different functions.
- they are found in developing embryos in jobs.

- Totipotent

- Can be any type of cells
- long lived
- easy to grow

- In adults, we find stem cells in different parts of the body. Starting to form but not done yet.

- Pluripotent

- Can't become everything
- hard to force to multiply
- short lived & unstable

Induce reprogramming?

- take a mature cell & trick it into going back to being "undifferentiated." they become pluripotent cells.

- maintain life (body) at 20% functionality