

Go to the following website: <https://bit.ly/3nVG94y>

Stem Cells

21. What is a stem cell? *an unspecialized cell that can divide without a limit*

22. What does it mean to be unspecialized? *not specialized a specific purpose*

23. Explain the difference between totipotent, pluripotent, multipotent, oligopotent, and unipotent

- Totipotent: *have potential to differentiate into any of the cells. need to make an organism & grow & develop.*
- Pluripotent: *have potential to differentiate into any type of human tissue but cannot support full development.*
- Multipotent: *different types of cells - limited to becoming one of a few different cell types*
- Oligopotent: *different stem cell types - limited to becoming one of a few different cell types*
- Unipotent: *cell is fully specialized and can only reproduce to generate more of its own specific cell type.*

24. Use figure 1 to label the following diagram illustrating the differentiation of multipotent cells into blood and immune cells

