

25. What does a progenitor mean?

a biological cell - like a stem cell

26. Using google, research the function of the following cells.

Cell Type	Function
Erythrocyte	red blood cell in humans.
Macrophage	specialized cells involved in the detection and destruction of bacteria
Dendritic Cell	capture, process and present antigens to adaptive immune cells.
Plasma Cell	responsible for humoral immunity.
Natural Killer Cell	controls several types of human microbial infections by limiting their spread

27. Do any of the cells above have the same function? yes.

28. Assuming all the cells above came from the same organism, what must be the same?

animal cell

Differentiation

29. What happens when a cell differentiates?

30. Do any of the cells from figure 1 contain different DNA?

31. How do different cell types become so different? (explain using the movie analogy)

32. What does a cell need to do to differentiate into its specialized form?

33. What is a transcription factor?
