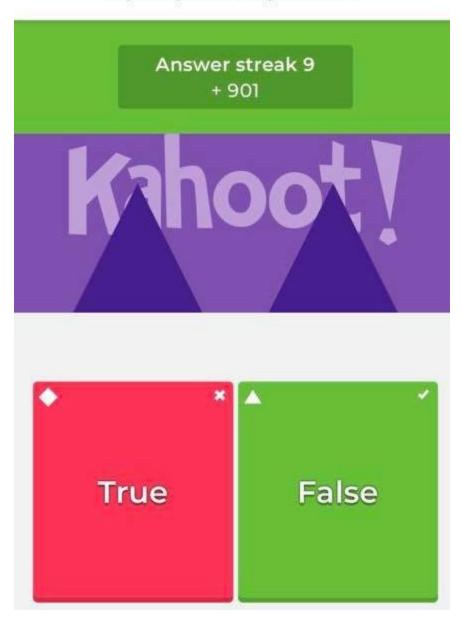
Quiz 1 : Erythrocytes & Granulocytes

Erythrocytes consume some of the oxygen they transport for ATP production



The main difference between basophils and mast cells is

Answer streak 10 + 932

- the shape of nucleus
- of their granules
- the density* of their granules
- the content* the staining* reaction of their granules

Which of the following cells function in the formation of pus at the wound site?

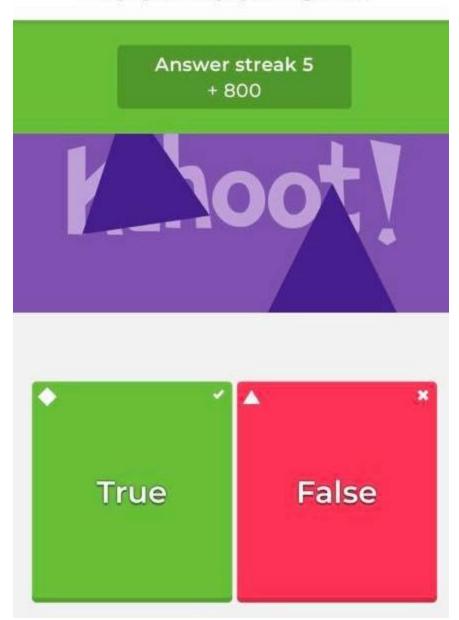


Biconcave *

nuclei

with no nuclei Cells with ' polymorphic nuclei

Eosinophils are cells with bilobed nuclei and many crystalloid cytoplasmic granules



Estimate the diameter of the labeled cell



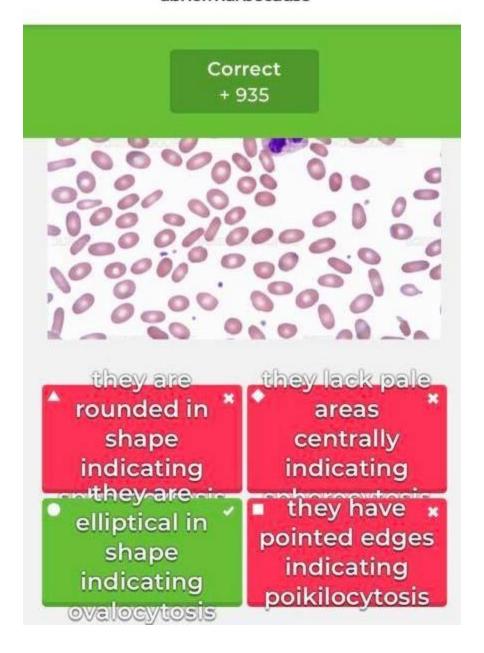
Which cell type has cytoplasmic granules that contain heparin and histamine?



What is the approximate life span of a circulating erythrocyte?



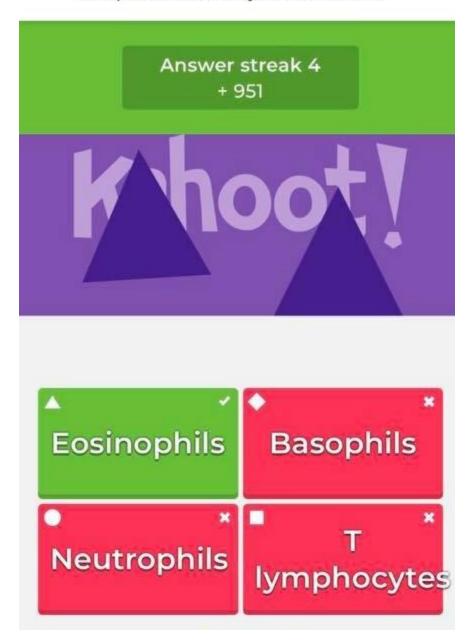
The erythrocytes in this section are abnormal because



A differential cell count of a blood smear from a patient with a parasitic infection is likely to reveal an increase in



A differential cell count of a blood smear from a patient with a parasitic infection is likely to reveal an increase in



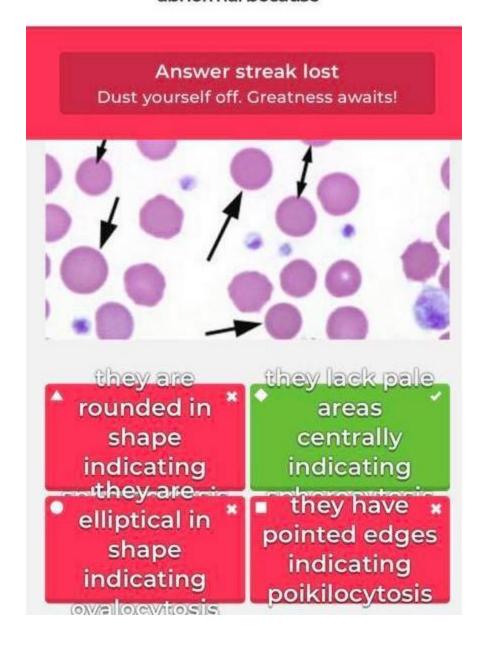
Erythrocytes are very small, cell-like elements with no nuclei but many granules



Which biochemical component of the erythrocyte cell surface is primarily responsible for determining blood group (ABO)



The labeled erythrocytes are abnormal because



Quiz 2: Lymphocytes



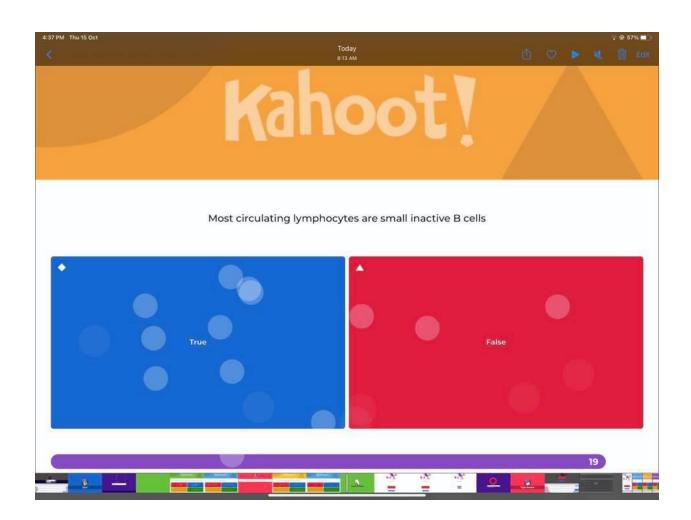
Monocytes move from systemic circulatory system into connective tissues, where they differentiate into what cell





What cell in circulating blood is the precursor to microglia and antigen-presenting cells







Which of the following blood cells differentiate outside of the bone marrow?





To what does the TCR of a helper T cell bind in healthy individuals?

foreign antigens presented with MHC I molecules

foreign antigens presented with MHC II molecules

free antigens in a soluble form

self antigens presented with MHC II molecule

20



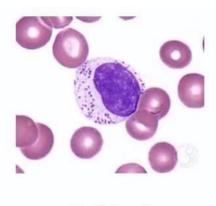
MHC II molecules present

processed self-antigens from proteasomes

processed foreign antigens from phagolysosomes

antibodies

T cell receptors



Identify the cell

Tap here to answer

Submit

52



B cells will bind with their BCR to which of the following in healthy individuals?

foreign antigens presented with MHC I molecules

foreign antigens presented with MHC II molecules

free antigen in a soluble form

self antigens presented with MHC I molecule

28

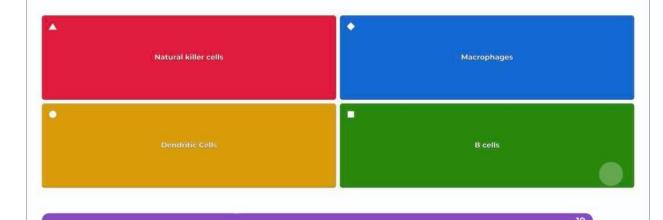


Which of the following would be a BCR?





Which of the following is not one of the three main antigen-presenting cell types?







MHC refers to a large group of genes that code for proteins that play an essential role in which of the following?

Phagocytosis by macrophages

Antigen presentation to T lymphocytes

Phagocytosis by neutrophils

Antigen presentation to B lymphocytes

29



To what does the TCR of a cytotoxic T cell bind in autoimmune diseases?

foreign antigens presented with MHC I molecules

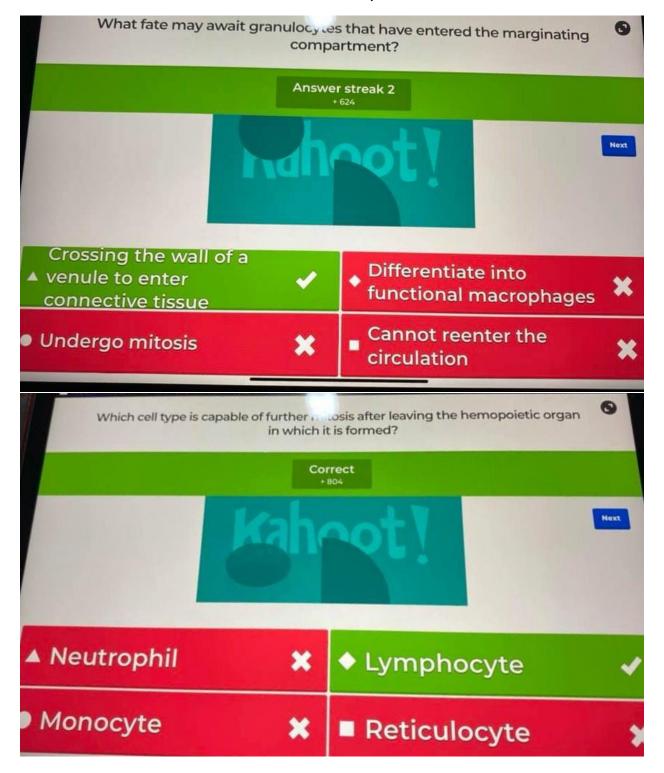
foreign antigens presented with MHC II molecules

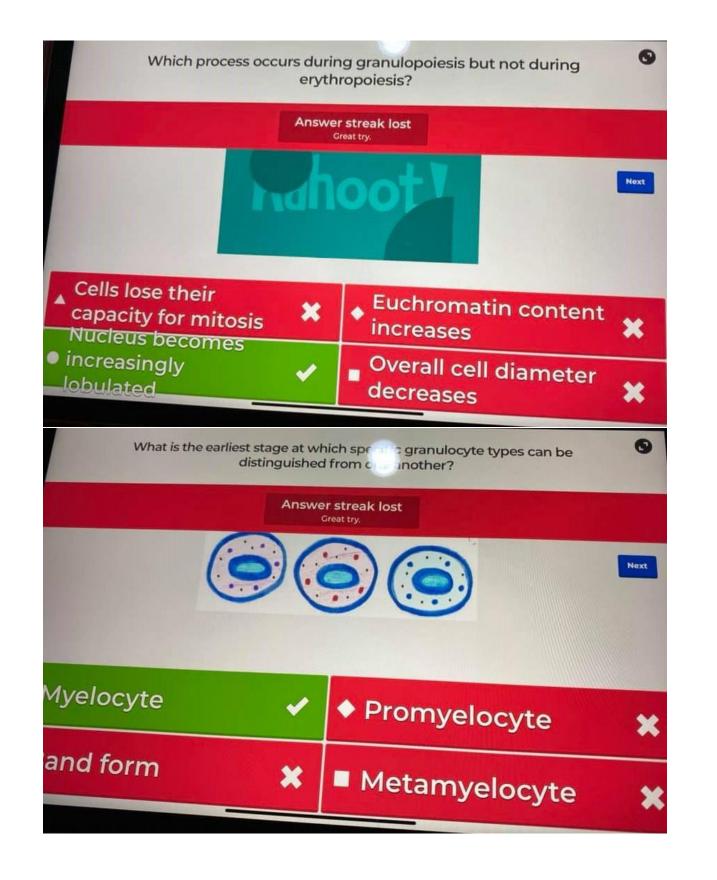
self antigens presented with MHC I molecu

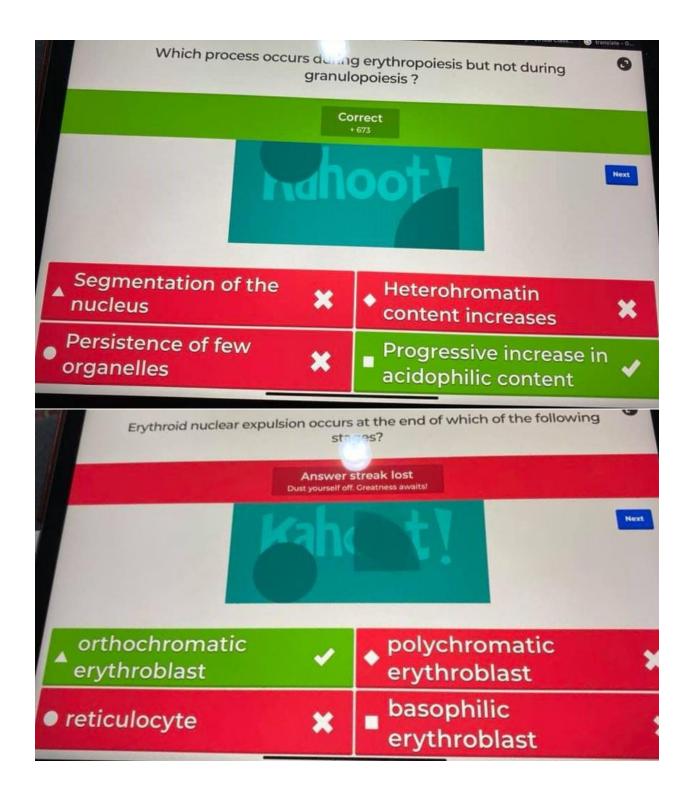
self antigens presented with MHC II molecules

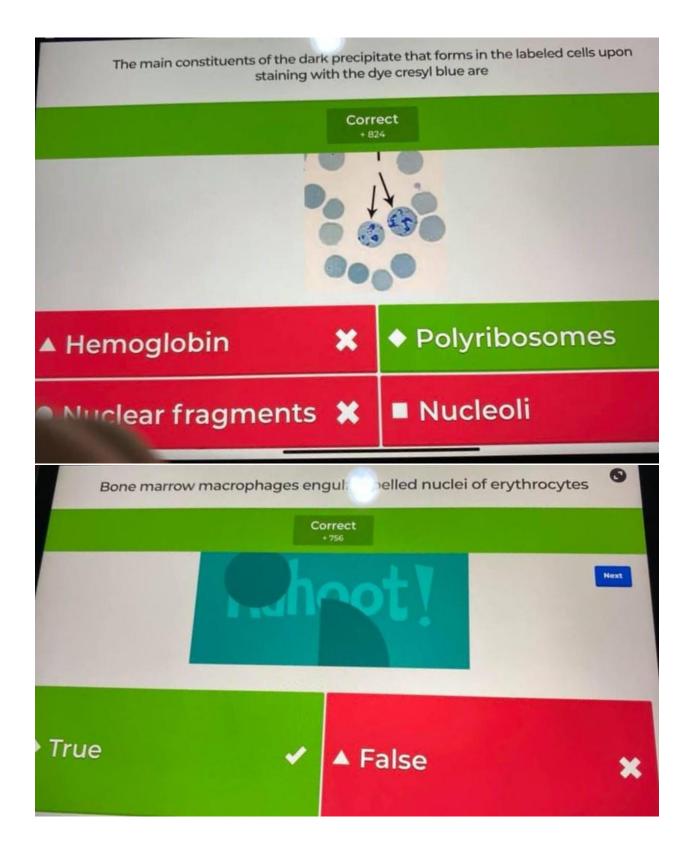
29

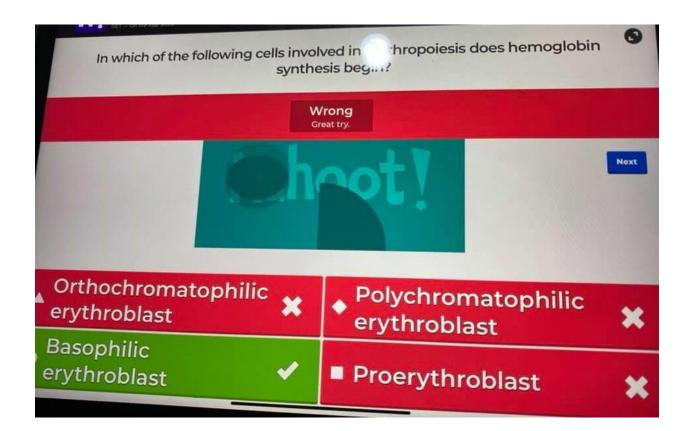
Quiz 3: Hematopoiesis











Quiz 4: Lymph nodes

