

# Ch30.5 Blood

- #Biology\_3 #School #Note

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- What is blood?: #card

- Blood is a complex tissue that transports materials.

- What are the components of blood?: #card

- Red Blood Cells (RBCs)
    - White Blood Cells (WBCs)
    - Plasma
    - Platelets

- What is the main function of each one?: #card

- RBCs: Transport materials and gas
      - WBCs: Immunity (fight germs. bacteria, and intruders)
      - Plasma: A lubricant to let the blood components slide in the blood vessels
      - Platelets: Helps form blood clots that control bleeding

- Compare RBCs and WBCs: #card

-	RBC	WBC
Has hemoglobin	No hemoglobin	
No nuclei	Has nuclei	
A part of the circulatory system only	A part of Immune system, circulatory system, and lymphatic system	
Transports oxygen and materials	Defend the system by fighting intruders	
Makes up 40-45% of all blood cells	IDK	

- Where do most blood cells form?: #card

- Bone Marrow

- What are the different blood types?: #card

- A+, A-
  - B+, B-
  - AB+, AB-
  - O+, O-

- What is the difference between the positive and negative blood groups?: #card

- The positive blood groups have the Rh factor while the negative miss it.
    - What is the Rh factor?: #card
      - The Rh factor is a protein.

- Compare the blood groups in terms of who they can give, and receive from: #card

<b>- Blood Group</b>	<b>Receives from</b>	<b>Gives to</b>
A+ A+, A-, O+, O-	A+, AB+	
A- A-, O-	A+, A-, AB+, AB-	
B+ B+, B-, O+, O-	B+, AB+	
B- B-, O-	B+, B-, AB+, AB-	
AB+ A+, A-, B+, B-, AB+, AB-, O+, O-	AB+	
AB- A-, B-, AB-, O-	AB+, AB-	
O+ O+, O-	A+, B+, AB+	
O- O-	A+, A-, B+, B-, AB+, AB-, O+, O-	