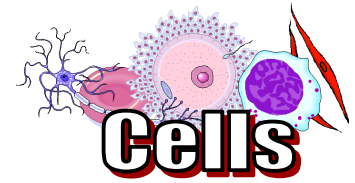
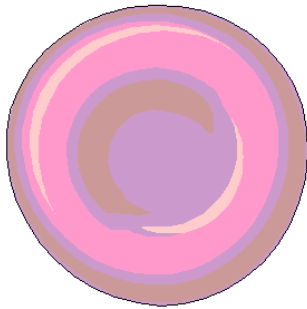


Red Blood Cell



Red blood cells are the most abundant cells in the blood. Their primary function is to carry oxygen to all cells in the body.



Labels

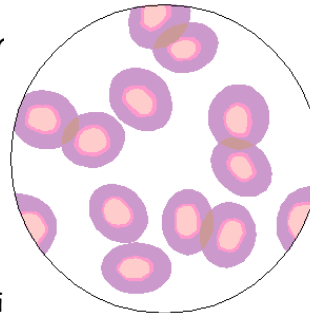
Biconcave disc
(there is no nucleus)

Key Words

| | |
|---------------------|-------------|
| Erythrocyte | Blood type |
| Bone marrow | ABO group |
| Haemoglobin | Transfusion |
| Oxyhaemoglobin | Nucleus |
| De-oxyhaemoglobin | Altitude |
| Sickle cell anaemia | Diet |

Research Ideas

- What is the scientific name for a red blood cell (RBC)?
- Where are the RBCs made and destroyed?
- What is the lifespan of a RBC?
- Explain how RBCs are capable of carrying oxygen
- Describe the symptoms and treatment for sickle cell anaemia.



Advanced Research

- Why is blood typing important in blood transfusion?
- Why are RBCs not considered to be true cells?
- Outline the response of the human body to an increase in altitude.
- Explain the importance of a balanced diet for normal blood functioning.

Presentation Ideas

Design a wall display with diagrams and facts. Make sure your titles are big and bold, and that your work is as neat as possible.

Give a talk to your class. Prepare some diagrams (maybe on overheads) to help illustrate your presentation.

Internet Search Terms

(we recommend "google.com")

- "Red Blood Cells"
- "red blood cells are made in"
- "red blood" + carry + oxygen
- "sickle cell anaemia"
- erythrocytes

Websites

- www.howstuffworks.com/blood2.htm
- <http://www.encyclopedia.com/html/b1/blood.asp>
- <http://www.pbrc.hawaii.edu/bemf/microangela/rbc9.htm>
- <http://www.sicklecellsociety.org/scsinfo.htm>
- http://anthro.palomar.edu/blood/ABO_system.htm