

Red Blood Cell Cartoon

Circulatory and Respiratory System Project

Green	Blue	Black
Draws a "far away" or "up-close" cartoon and describes the life of a red blood cell, using green level vocabulary	Draws a "far away" or "up-close" cartoon and describes the life of a red blood cell, using blue vocabulary	Draws an "up-close" cartoon and describes the life of a red blood cell, with characters, using black level vocabulary

Goals:

- Student clearly communicates scientific processes with pictures.
- Student learns how a red blood cell moves through the body to supply cells with needed oxygen and remove waste products like carbon dioxide.
- Student learns the function of white blood cells and platelets in your circulatory system.

Project Vocabulary

Green Level Vocabulary	Blue Level Vocabulary	Black Level Vocabulary
Artery	Artery	Artery
Vein	Vein	Vein
Capillary	Capillary	Capillary
Right Atrium	Right Atrium	Right Atrium
Left Atrium	Left Atrium	Left Atrium
Right Ventricle	Right Ventricle	Right Ventricle
Left Ventricle	Left Ventricle	Left Ventricle
Red Bone Marrow	Red Bone Marrow	Red Bone Marrow
Valve	Valve	Valve
Oxygen	Oxygen	Oxygen
Carbon Dioxide	Carbon Dioxide	Carbon Dioxide
Diffusion	Diffusion	Diffusion
Platelets	Platelets	Platelets
White Blood Cells	White Blood Cells	White Blood Cells
Clots	Clots	Clots
	Lungs	Lungs
	Pulmonary Artery	Pulmonary Artery
	Pulmonary Vein	Pulmonary Vein
	Cholesterol	Cholesterol
	Alveoli	Alveoli
		Aorta
		Nose
		Epiglottis
		Larynx
		Pharynx
		Trachea
		Bronchi

How I Will Grade Your Cartoon

When I grade your cartoon, I will be asking myself 2 main questions:

1. Do you understand how the circulatory system works?
2. Did you do a good job showing the processes you learned about with drawings?

Grading (Green, Blue, and Black!)

1. Do you understand how the circulatory system works?

a. Is it clear which part of the circulatory system the red blood cell is in at all times?	No, Not really	Mostly	Yes, very much
b. Is it clear that you understand the way oxygen and carbon dioxide are exchanged between capillaries and the lungs?	No, Not really	Mostly	Yes, very much
c. Is it clear that you understand the way oxygen and carbon dioxide are exchanged between capillaries and our body cells?	No, Not really	Mostly	Yes, very much
d. Have you used all of the vocabulary words in a way that proves you understand how they fit into the circulatory system?	No, not really	Mostly	Yes, very much

2. Did you do an excellent job drawing the processes you learned about?

a. Are your cartoon pictures attractively drawn and colored	No, not really	Mostly	Yes, very much
b. Are your drawings large and simple enough to be understood quickly?	No, not really	Mostly	Yes, very much
c. Do your drawings and captions make sense together (do they match)?	No, not really	Mostly	Yes, very much