

Life Science – Chapter 19 – Study Guide

Circulatory System

Lesson One – The Body's Transport System

Key Terms

Cardiovascular System	Artery	Capillary
Heart	Atrium	Vein
Aorta	Valve	Ventricle
Pacemaker		

Key Concepts

- Purpose of the Circulatory System (CS)
- Three main components of CS
- Wastes and Materials transported by CS
- 4 Chambers of the heart and job of each
- Describe in detail the two loop path of blood (essay)

Lesson Two – Blood Vessels

Key Terms

Blood Pressure	Sphygmomanometer
Diffusion	Pressure
Coronary Artery	

Key Concepts

- Describe differences among the three types of blood vessels.
- Movement of blood in and out of capillaries
- How blood is pumped back to heart through veins (essay)
- Blood pressure

Lesson Three – Blood and Lymph

Key Terms

Plasma	Fibrin	Red blood cell
Platelet	Lymph	White blood cell
Transfusion	Hemoglobin	Lymphatic System
Lymph Node		

Key Concepts

- Four components of blood (essay)
 - Description & purpose/function
- Purpose of hemoglobin
- Formation of blood clots and scabs
- Four Main blood types
- Purpose of lymphatic system

Lesson Four – Cardiovascular Health

Key Terms

Atherosclerosis	Heart Attack
Cholesterol	Hypertension

Key Concepts

- Atherosclerosis – definition, how formed, prevention (essay)
- Hypertension – definition, how formed, prevention (essay)
- Ways to maintain cardiovascular health
- Cholesterol – definition, good, bad