

Topic 11 Worksheet: Lymphatic System

CONCEPT REVIEW
32

THE LYMPHATIC SYSTEM

PAGES 187 TO 190

Complete this concept review handout and keep it as a record of what you have learned.

DEFINITIONS

• Extracellular fluid is See #1

• Lymph is fluid in lymphatic vessels derived from extracellular fluid

• Phagocytosis is when WBC surround a foreign antigen & neutralize it

• An antibody is an immune response formed by WBC - memory of something foreign

• An antigen is a foreign substance which enters the body.

1. What is extracellular fluid?

Fluid that leaves the blood vessels and carries WBC, oxygen, carbon dioxide and waste (the liquid is clear because there are not RBC)

2. What substances make up the extracellular fluid?

Plasma that leaks out of the blood vessels, water, WBC, waste

3. Which substances found in lymph get filtered by the lymph nodes?

WBC

4. How is the lymphatic system associated with our immune system?

Lymph nodes increase WBC when necessary to fight infections/bacteria

5. Unlike the cardiovascular system, the lymphatic system does not have a heart to pump lymph.

What does lymph rely on to move through the body? **Muscle contractions**

6. What characteristics of antibodies explains why we have certain diseases only once in our lives?

The antibodies form a memory of the disease so in the event that you meet it again in your life time, the antibodies will reproduce faster to prevent the disease from recurring.

7. What is:

a) Liquid component from which most of the elements of extracellular liquid come

plasma

b) Cellular component of blood found in lymph

wbc

c) Liquid surrounding cells

lymph

