VII. Lymphatic System (ch12)

1. Two major functions
2. Immunity (houses many infection-

fighting cells)

1. Returns fluid lost from blood back

to the heart.

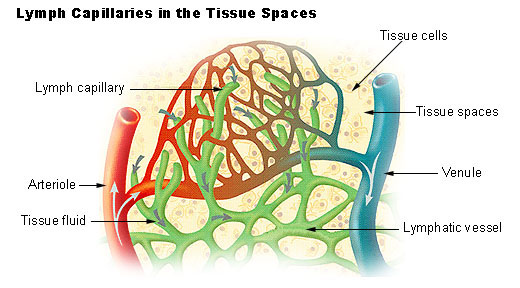
\*Up to 3 liters of watery fluid

called “lymph” leaks through

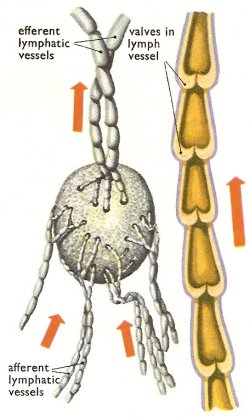
the blood vessels into the

surrounding tissues every day.

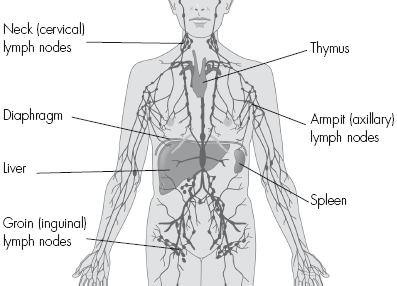
1. Two basic parts to this system:

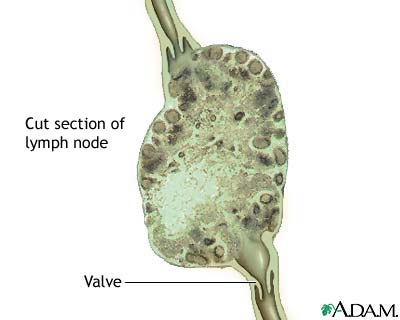


1. Lymphatic Vessels
2. One-way system of capillaries that take fluid from tissues back to the heart (via subclavian veins).
3. Very permeable to fluid called “lymph”.

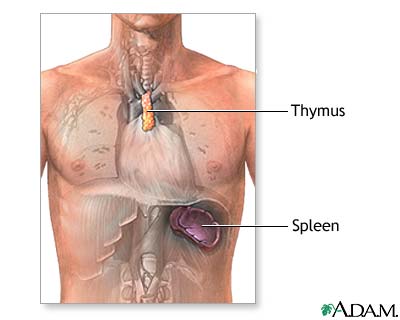


1. Lymph pumped back to heart by “milking” action of skeletal muscles.
2. Lymphoid Organs



1.  Organs with Immunity functions:

* lymph nodes
* thymus gland
* tonsils



1. Cardiovascular functions:

* Spleen
  + filters blood
  + destroys worn-out RBC’s
  + recycles iron
  + stores platelets
  + blood reservoir