

## Lymphatic System Questions

A system of vessels that remove excess fluid from the body's tissues and returns it to the blood stream. It also fights infection. \_\_\_\_\_

Fluid once the interstitial fluid (excess fluid leaked out of the capillaries) is collected by the lymphatic system. \_\_\_\_\_

To keep the lymph flowing in the right direction, there are \_\_\_\_\_  
That open when the lymph is flowing in the right direction and close to prevent it from flowing backward.

These are the "filters" where the lymph is cleaned before it is returned to the blood. \_\_\_\_\_

What happens in the spleen?

The tonsils and adenoids work together to produce and release \_\_\_\_\_ that attack pathogens entering your body through your mouth or nose.

If you were to surgically remove the spleen because it has been injured in a serious accident, what can you predict about the person's ability to fight off disease and infection?

Does lymph travel through more than one lymph node before being dumped back into the bloodstream?

The cleaning power of lymph nodes comes from the \_\_\_\_\_.

White blood cells found in the lymph system are called \_\_\_\_\_.

Which white blood cell scavenges the lymph, eating bacteria and other debris? They are the guard cells.

\_\_\_\_\_

Cells in the lymphatic system that give vaccines the ability to make people mostly immune from certain diseases? They start producing the same antibody and react much more quickly if the body is attacked again by the same invader. \_\_\_\_\_

These cells produce antibodies. \_\_\_\_\_

These cells recognize and kill virus-infected cells directly. \_\_\_\_\_

A doctor has two medicines that fight the same disease. The first medicine is given if the patient has the disease. The second is given to patients who have never had the disease. Which of the two is a vaccine?

## Urinary System Questions

How much weight of a person's body comes from water?

The amount of water you retain and the levels of many substances in that water are all controlled by your \_\_\_\_\_.

What artery bring blood into the kidney?

Where is the blood filtered first?

Excess chemicals are left behind in the nephron to become \_\_\_\_\_.

The bladder is not really an essential part of the urinary system, but you should be glad it is there. Why?

Once blood enters the kidney through the renal artery, it delivers oxygen and nutrients to the kidney's cells and picks up their waste products. The following steps then happen. Put them into the proper order 1-4

- \_\_\_ a.) Chemicals and water are absorbed back into the blood.
- \_\_\_ b.) The blood is filtered
- \_\_\_ c.) Water and chemicals go into the renal pelvis, through the ureter, and into the bladder.
- \_\_\_ d.) Nutrients, water, and chemicals travel through a nephron

## Endocrine System Questions

For the following questions, match the glands with their function

- |                  |  |
|------------------|--|
| ___ Hypothalamus | a. Produces <b>cortisol</b> , which causes the liver to release glucose into the blood |
| ___ Thyroid      | b. Controls the pituitary gland – <b>regulates thirst, hunger, and body temp.</b>      |
| ___ Pituitary    | c. Produces <b>insulin</b> , which enables glucose to enter the cells                  |
| ___ Adrenal      | d. Produces hormones that control many of the endocrine glands                         |
| ___ Pancreas     | e. produces hormones that regulate the <b>basal metabolic rate</b>                     |

If many of the endocrine glands in the body begin to malfunction, just one gland might be responsible. Which gland might that be?

Although most scientist refer to the pituitary gland as the "master endocrine gland", the hypothalamus could be considered the "master of the master." Why?