Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Immunity Worksheet 5**

**Lymphatic System**

*Either fill in the missing information or circle the correct term in italics*

**Lymphatic System**

1. The lymphatic system is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ circulatory system.
2. The fluid part of blood known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ leaks out of the capillaries and bathes the body cells. This allows for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to occur more effienently.
3. When the blood plamsa surrounds body cells it is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fluid. This fluid picks up debris, wastes and pathogens floating between cells and enters the lymphatic vessels.
4. When the fluid enters these vessels its name changes once again, it is now called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. As this fluid travels back to the heart is is filtered along the way at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which contain high concentrations of white blood cells called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (B and T cells)

**Lymph node**

* Small mass of tissue that contains lymphocytes
* Filters pathogens from the lymph

**The Spleen**

* The **spleen** is in the upper \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* It filters pathogens and worn out red blood cells
from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and then lymphocytes in
the spleen destroy them.
* It also acts as a blood reservoir

**Thymus**

* located in the upper chest behind the breast bone. It stores and matures \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Tonsils**

* They trap pathogens, which are destroyed by lymphocytes in the tonsils.

**Types of lymphocytes**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (thymus-dependent)
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (bone marrow-derived)
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (natural killer)