1. Describe the characteristics of blood, it’s composition and function.
2. Describe plasma and the blood cells.
3. Describe platelets and blood clotting.
4. Explain the ABO and Rh blood typing system and describe the clinical importance of these.
5. List the functions of the lymphatic system. List the structures and describe their components and functions, include – lymph vessels, nodes, tonsils, spleen, thymus, bone marrow.
6. For the nonspecific defenses – describe the various elements: barriers, chemicals, cells, inflammation (See Fig. 13.4).
7. For the specific defenses – describe the meaning of specificity in regards to this system. Explain the concept of immunologic memory. Describe the roles of T cells, B cells and antibodies in the defenses.
8. Describe how individuals may be induced by vaccination to generate their own immunity.
9. State the definitions of allergies.
10. Trace the path of food down the gastrointestinal tract, identifying structures and describing functions from the mouth to the anus.
11. Describe the functions of saliva, digestive enzymes, stomach acid, mucus, colonic bacteria, bile, bicarbonate ion, peristalsis, mesentaries in the system.
12. Explain the functions of the liver, gallbladder and pancreas. Describe or illustrate the blood supply to the liver, and the ducts from the liver/gallbladder to the duodenum.
Label the picture with the following terms: salivary gland, teeth, tongue, oral cavity, palate, pharynx, esophagus, stomach, liver, small intestine, large intestine, gallbladder, pancreas, cecum, ascending colon, transverse colon, descending colon, sigmoid colon, rectum, anus.