BI 358 Active Learning Questions Lecture 9

1. What are some of the causes of contact dermatitis? When does it most often occur after exposure (provide time course)? What type of hypersensitivity classification is contact dermatitis?

2. What are the two major branches of the immune system? Provide 2 specific examples within each of these branches and 2 specific contrasts between these branches (that is, noting how they differ). What are the two branches or subcategories of the acquired/adaptive immune system? What white blood cell subclass is involved in both branches by nature of its primary function (thus demonstrating overlap and false separation between these two acquired immune system branches)?

3. What is the primary function of the adaptive (acquired/specific) immune system? In most cases, adaptive immunity involves a lag time from exposure to response. What is the primary exception to this?

4. List two major sites in the human body where there are substantial lymphoid tissues. What do GALT and BALT stand for? What part of the human body has no associated lymphoid tissue and no clear site of immunological priming? Why is this important and why might this induce complications?

5. What are two major phases of the pathophysiology of allergic inflammation? Briefly describe allergy testing. What is the 3-legged stool of allergy treatment? Briefly describe high-dose immunotherapy. Provide 2 examples of an auto-immune disease.