

Name: \_\_\_\_\_

**PHA 4210 Dermatology Homework Set -2000**

Due: Monday February 21st at 10am

***General***

1. List three ways that a patient could increase penetration of a topical drug into an affected area of the skin

***Dermatitis***

2. A 26 year old woman comes into your pharmacy and requests something to treat a rash on her hands. On examination of her hands, you note they are erythematous, with fluid filled vesicles, which are weeping. She tells you that she is a hairdresser, and that this condition occurs whenever she is very busy at work (such as the Christmas holiday period). Provide a management plan for her, including treatment(s), dose, dosing frequency, duration of treatment, preventive measures, and counseling information. Be sure to mention the type of vehicle for any medication you recommend (i.e. ointment, cream, lotion, solution, gel etc)

***Dermatitis***

3. A 50 year old man presents to you with chronic, scaly dermatitis of the extensor surfaces of his legs, and the flexor surfaces of his arms. He also complains of mild pruritis in these areas. Provide a management plan for him, including treatment(s), dose, dosing frequency, duration of treatment, preventive measures, and counseling information. Be sure to mention the type of vehicle for any medication you recommend (i.e. ointment, cream, lotion, solution, gel etc)

### ***Drug Induced Skin Diseases***

4. A mother brings her 6 year old daughter to your pharmacy and is looking for advice. She tells you that her daughter “broke out in a rash on her back last night.” She wants to know what is causing the rash and what can be done about it. Upon examination, you discover an erythematous maculopapular rash across the little girl’s shoulders without involvement of the neck or lower trunk. Upon questioning, she denies pruritus.

Her records indicated that she was started on a two week course of amoxicillin for otitis media four days ago. According to her records, she has no known drug allergies.

a) What would be included in your “differential diagnosis” in this case?

b) What additional information would you like to have?

c) What factors favor a diagnosis of drug allergy?

d) What factors are inconsistent with that assessment?

e) How would you proceed?