1. How would you describe an x-ray if you were describing it over the telephone (use standard approach).

2. You are evaluating a patient’s ability to live on his/her own. List five of the six BASIC Activities of Daily Living (ADLs) that a patient must perform everyday:

   1. 
   2. 
   3. 
   4. 
   5. 

3. Birth control pills have been found to have an efficacy of 99% but an effectiveness of only 94%. Describe what is meant by these findings.

   1. Efficacy: 

   2. Effectiveness: 

4. A 45 year old woman presents with a four-day history of intermittent chest pain, occasionally with shortness of breath. She is a divorced, single mother of three teenagers who works as an administrative assistant. She recently injured her back and is occasionally taking antacids. What systems are likely ones to consider in this patient for the cause of her chest pain? List them in order of likelihood and describe why you have included them on the list.

   System                                      Reason
   1. 
   2. 
   3. 
   4. 
   5. 
5. For the patient described above, choose one of the systems you have identified then decide what processes you feel are likely. List them in order of likelihood and describe why you have included them on the list.

<table>
<thead>
<tr>
<th>Process</th>
<th>System</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. A 50 year old obese diabetic woman presents with increasing shortness of breath over the last five days. The shortness of breath is worse at night and she has a frothy cough. What diagnoses are you considering?

| 1. |        |
| 2. |        |
| 3. |        |

7. (cont. from above case) What specific physical exam findings would you like to look for to help confirm your thoughts regarding the differential diagnosis?

| 1. |        |
| 2. |        |
| 3. |        |
8. (cont. from above case) What tests would you consider obtaining and why do you wish to order them? (Note: Multichemistry SMAC not accepted). Be specific. You may include tests other than blood.

1. 

2. 

3. 

9. What is meant by the term “relative risk” in epidemiologic studies?

10. You are studying the efficacy of a new drug for hypertension. You have a treatment population (this group has received the new drug) and a control group (this group is not being treated with the new drug). Describe the null hypothesis for this study.

11. Please list three positive and three negative features of case control studies (short answers please):
   Positive Features:
   1. 
   2. 
   3. 
   
   Negative Features:
   1. 
   2. 
   3. 

12. Three ways of discerning peritoneal signs are: