HEART/CIRCULATORY SYSTEM: Diseases & Disorders

Explain the problem in each of the following and specifically what part of the cardiovascular system it affects.

1. Varicose veins:

2. pulmonary embolism:

3. elephantiasis:

4. phlebitis:

5. arrhythmia:

6. aneurysm:

Impacts/Issues:

1. How does nicotine affect the circulatory system and what is the end result?

2. How does caffeine affect the circulatory system and what is the end result?

3. What effects does cocaine have on the heart?
4. Congestive heart failure:

A. Define:

B. What is the relationship between congestive heart failure and the blood vessels and edema?

C. Fill in the following chart:

**CONGESTIVE HEART FAILURE**

<table>
<thead>
<tr>
<th></th>
<th>Peripheral Congestion</th>
<th>Pulmonary Congestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Which side of heart fails?</td>
<td></td>
<td></td>
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<tr>
<td>Blood has problems being pumped where?</td>
<td></td>
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<tr>
<td>Therefore, blood backs up into what organ/tissue?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edema occurs where?</td>
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</tbody>
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**CAREER PROFILES:**
- What is it?
- Average salary
- Years of school required

1. Phlebotomist:

2. Perfusionist:

3. Compare and contrast EMTs and Paramedics: (do this on back)