

Name \_\_\_\_\_  
Anatomy/Physiology

Hour \_\_\_\_\_  
Date \_\_\_\_\_

# PATIENT DIAGNOSIS #1

## Unit 4: The Cardiovascular System

### Case Scenario

Your friend Monique, told you during lunchtime today that she has been diagnosed as having mitral valve prolapse. 1.) Describe this structural abnormality, 2.) What might she experience? 3.) Describe the possible effects on heart function, and 4.) Include what *steps* the doctors may take if her condition is severe enough.

**Your Diagnosis :**

# PATIENT DIAGNOSIS #2

### Case Scenario

Your Uncle Bob is about to undergo coronary bypass surgery. His surgeon carefully explained Uncle Bob's condition and the surgical procedure to correct it, but your uncle was too upset to pay close attention. Now that he has calmed down a bit, he realizes that he has very little idea of what his "triple bypass surgery" is all about. Since you just studied the heart in your anatomy and physiology class, you decide to describe to your uncle the probable condition of his heart and explain the concept of the planned surgery.

**Your Diagnosis :**

# PATIENT DIAGNOSIS #3

## Case Scenario

Deiter has just learned that he has hypercholesterolemia (high blood cholesterol). On the advice of his physician he is starting a regular exercise program.

1. What is cholesterol?
2. How might this affect Deiter's cholesterol problem? (hint: see appendix A)
3. What vascular disorder might Deiter develop if he is not able to correct his hypercholesterolemia?

**Your Diagnosis :**

# PATIENT DIAGNOSIS #4

## Case Scenario

Rudger is a middle-aged man who has recently been experiencing pain in his legs, especially when he walks for even moderate distances. His physician tells him that Rudger has atherosclerosis in a major artery in the affected leg.

1. What is atherosclerosis?
2. Why does this cause pain when Rudger walks?
3. What treatments might Rudger's physician recommend to correct this problem?  
Explain how each will improve Rudger's condition.

**Your Diagnosis :**