

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

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CH 14 - DIGESTIVE SYSTEM

The Liver and the Hepatic Portal System

1. Read section 14.2 on page 263/264 (13<sup>th</sup> Ed) on Hepatic Portal system. Figure 14.11 is a visual representation. Use your textbook and notes to answer the following questions:

a. Between what two structures is the hepatic portal vein located?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. How does the liver act as a gatekeeper to the blood?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c. What process occurs in the liver to store glucose?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

d. What hormone stimulates the process described above?

\_\_\_\_\_

e. What organ secretes said hormone?

\_\_\_\_\_

2. List the 7 functions of the liver:

a. \_\_\_\_\_  
\_\_\_\_\_

b. \_\_\_\_\_  
\_\_\_\_\_

c. \_\_\_\_\_  
\_\_\_\_\_

d. \_\_\_\_\_  
\_\_\_\_\_

e. \_\_\_\_\_  
\_\_\_\_\_

f. \_\_\_\_\_  
\_\_\_\_\_

g. \_\_\_\_\_  
\_\_\_\_\_