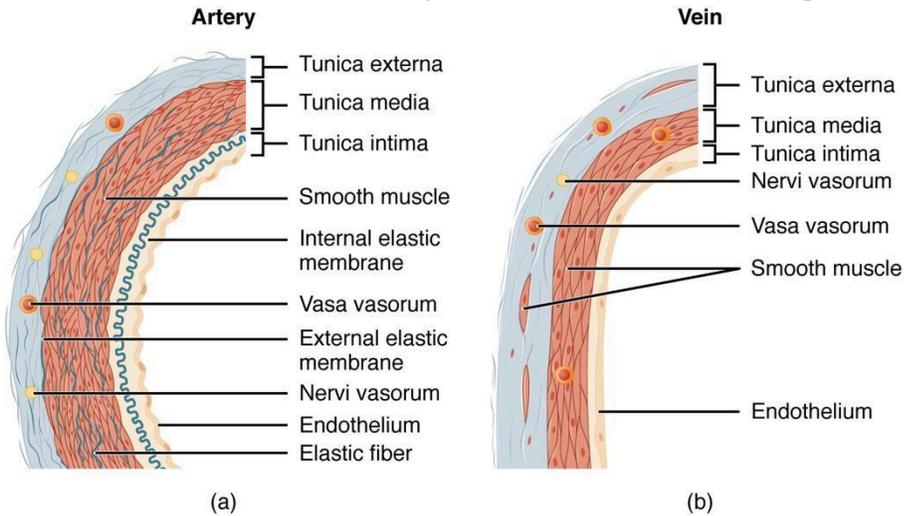


Vasculature PAL worksheet

1. Draw a cross section of an artery and vein such as shown in Figure 20.3 of your text.



2. Compare and contrast the three tunics that make up the walls of most blood vessels:

A. What are the three tunics found in blood vessel walls?

B. Describe the differences in structure and function between the tunica intima, tunica media, and tunica externa.

C. How do the characteristics of each tunic contribute to the overall function of blood vessels?

3. Explain the structure and function of venous valves in the large veins of the extremities:

A. Why are one-way venous valves necessary in the large veins of the extremities?

B. What is the role of skeletal muscle in pumping blood from our lower extremities?