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Blood carries oxygen to body cells.

a. Identify the process in body cells that directly requires oxygen **and** identify the structure in blood that transports oxygen to body cells.

Individuals monitor their total cholesterol levels to try to assess their risk of atherosclerosis.

b. Describe the effect of atherosclerosis on the amount of oxygen supplied to body cells. Explain your answer.

Additional health problems such as heart attacks and strokes cause cells to become damaged or die due to lack of oxygen.

c. Explain why cells die if they cannot perform the process you identified in part (a) because they do not receive oxygen for an extended period of time.