

 **CHECK YOUR LEARNING**

Suggested Answers

- (a)** cell → tissue → organ → organ system

(b) Sample answer: An example of a cell is a heart cell. An example of a tissue is muscle. An example of an organ is the heart. An example of an organ system is the circulatory system.
- An organ system is a group of organs working together to perform complex functions necessary for an organism to survive.
- Single-celled organisms are like cells in the human body in the sense that they divide to replace themselves, are surrounded by membranes, have chromosomes that control their function, and in many cases, have organelles. They are different from cells in the human body because they can survive as individual cells, whereas cells in a human body are intimately dependent on one another.
- Organs are made of various tissues.