



## Achievements and Competencies

### Learning Outcomes

<b>Grades 7-9</b>
Cells, tissues, organs and systems

Achievements and Competencies are based on the Common Framework of Science Learning Outcomes (K-12) set by the Canadian Council of Ministers of Education (1997).

### Specific Expectations

#### **Grade 8**

#### LIFE SCIENCE

Cells, tissues, organs and systems

304-7 Explain structural and functional relationships between and among cells, tissues, organs and systems in the human body.

304-10 Describe examples of the interdependence of various systems of the human body.

In the digestion model, a cookie-and-baking-soda sandwich passes through the digestion system. As the cookie-and-baking-soda sandwich is digested, the students can identify and examine how the different components of the digestive system are related and connected to each other.

304-8 Relate the needs and functions of various cells and organs to the needs and functions of the human organism as a whole.

The *Glovely Digestion* activity demonstrates the interaction and use of several organs in the body to meet the needs of the human organism as a whole. During digestion, the cookie-and-baking-soda sandwich passes through the mouth, esophagus and into the stomach.