



Achievements and Competencies

Learning Outcomes

Grades 7-9
Mixtures and solutions
Fluids

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 7

PHYSICAL SCIENCE

Mixtures and solutions

208-1 Rephrase questions in a testable form and clearly define practical problems (e.g., rephrase a question such as “How many pure substances are found in a given mixture?” to “What is the most salt that can be dissolved in one litre of water at 23 °C?”).

The students can form and solve testable questions such as “How much salt can be added to the oil and water mixture before it becomes saturated?”.

Grade 8

PHYSICAL SCIENCE

Fluids

307-10 Describe situations in daily life where the density of substances naturally changes or is intentionally altered.

Adding salt to the oil and water mixture causes the density of the oil to increase and therefore sink to the bottom of the container.