

Landslide activity 1: **Introduction to landslides**

Description: A teacher led lesson, using the Landslides in Canada “PowerPoint” [PDF] presentation and accompanying notes [PDF].

Materials: Landslides in Canada “PowerPoint” [PDF]
Accompanying Notes - Landslides in Canada.pdf
Computer projector
Overhead or handout diagrams of

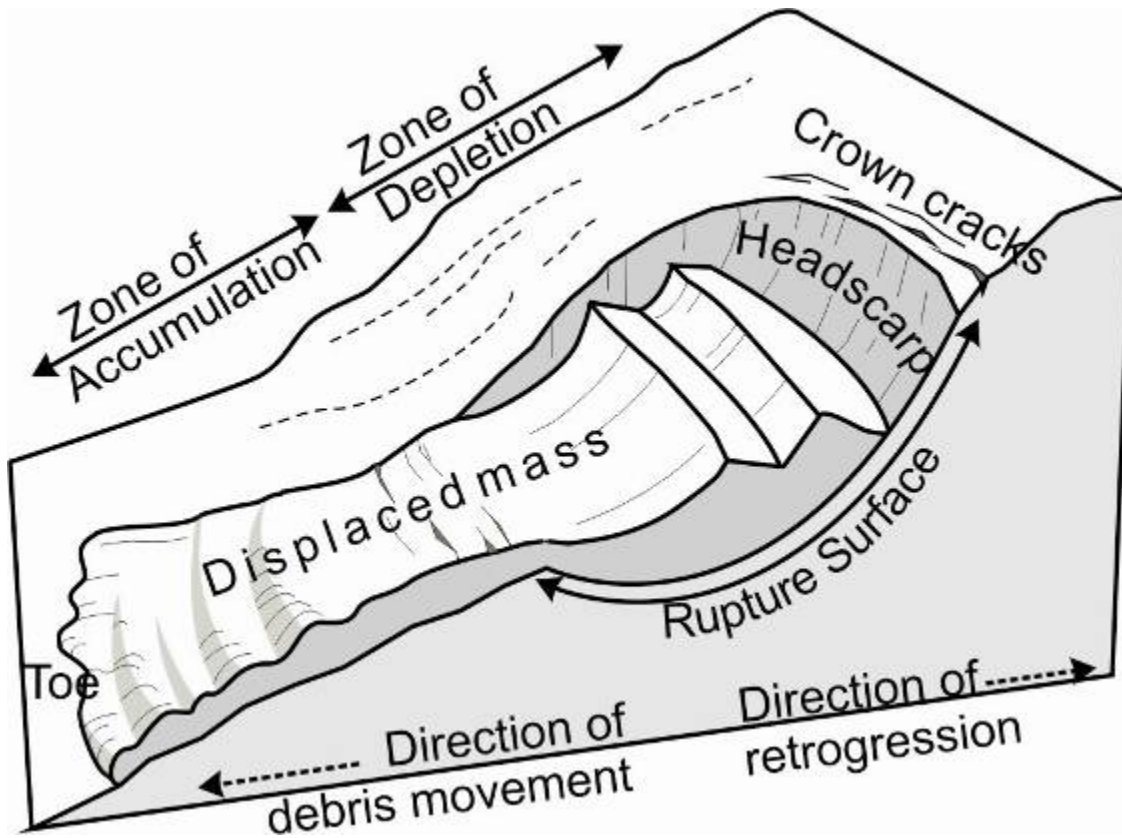
- 1) Parts of a landslide
- 2) Types of landslides

Teacher instructions:

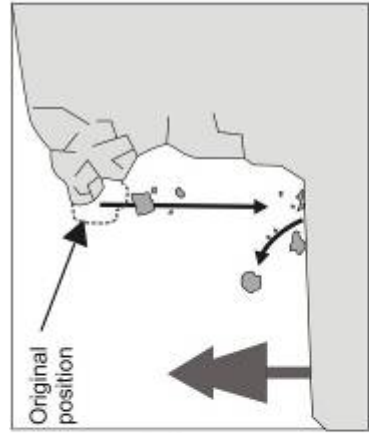
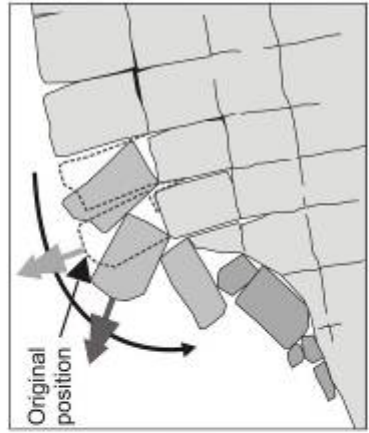
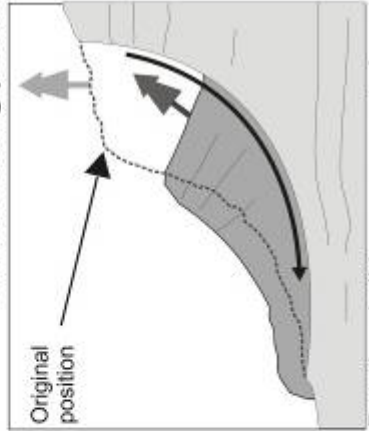
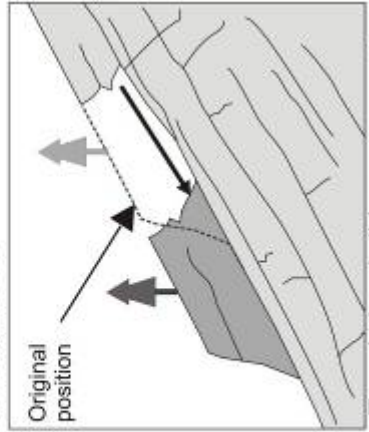
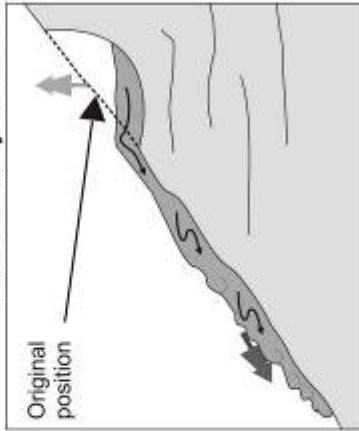
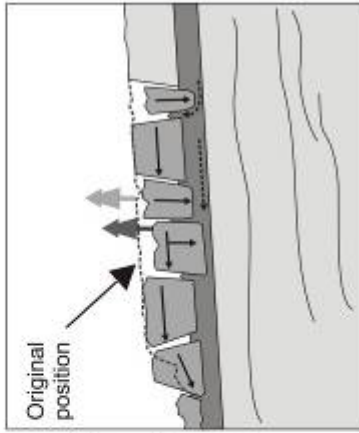
1. Review the Landslides in Canada “PowerPoint” [PDF] presentation and notes.
2. Most of the slides are obvious, however, additional talking points are provided in the accompanying notes.
3. Distribute the handout diagrams.
4. Present to class.

Parts of a landslide

(example shown is of a 'sliding' type of movement)



Types of landslides

<p>Fall</p> <p>free fall, usually accompanied by bouncing or rolling movement</p> 	<p>Topple</p> <p>forward rotation of blocks in an end-over-end movement</p> 	<p>LANDSLIDE MOVEMENTS</p> <p>The class of landslide is based on the type of movement. Movement is controlled by geology, topography, and triggering mechanism.</p>	<p>Slide : downslope movement of bodies of relatively intact material along planes of weakness</p>	 <p>Original position</p> <p>Rotational slide - movement along a curved sliding plane</p>	 <p>Original position</p> <p>Translational slide - movement along a straight sliding plane</p>	<p>Flow : downslope movement in a fluid-like motion. Flows may occur on steep or gentle slopes and commonly involve very wet sediment.</p>	 <p>Original position</p>	<p>Spread</p> <p>spreading out of blocks on an underlying weak layer (gentle slope)</p>  <p>Original position</p>
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