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## Activity

# Quiz: Mass movements and landslides

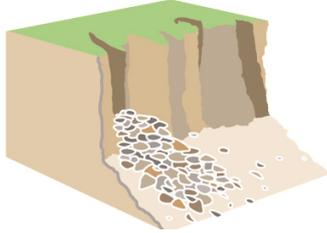
This quiz is marked out of 10. It could be used as a quick review before teaching the topic to see what students already know. Alternatively, it could be a short team quiz, used for fun but as a way of opening up a discussion of these issues. Answers are available to download as a separate document from *GeographyReviewExtras*.

**1** Mass movement, or mass wasting, includes processes such as landslides, debris flows and solifluction. Which is the correct definition of mass movement? (1 mark)

- A Breakdown of rock/soil in situ by chemical, mechanical and biological action.
- B Movement of rock/soil entrained in water, ice or wind.
- C Downslope movement of rock/soil material.
- D Sediment being compacted and cemented to form rock.

**2** Name the force that drives all mass movements, such as landslides. (1 mark)

3 Name the type of landslide shown in the image.



- A Rotational slide
- B Translational slide
- C Rockfall
- D Topple

4 Many landslides are triggered by external event. What is the most common landslide trigger? (1 mark)

- A Slope loading
- B Undercutting of slopes
- C Earthquake tremors
- D Heavy rain

5 Which type of mass movement has the highest velocity? (1 mark)

- A Soil creep
- B Rotational slide
- C Mudflow
- D Rockfall

6 What is the name for a type of debris flow caused when volcanic pyroclastic material mixes with precipitation? (1 mark)

- A Lahar
- B Jökulhlaup
- C Pyroclastic flow
- D Avalanche

7 Which secondary hazard can be caused by coastal landslides or landslides on the flanks of volcanic islands? (1 mark)

**8** The map below shows recorded landslides worldwide. Which **two** geographical factors do landslide locations best correlate with? (1 mark)



- A High population density and tectonic plate boundaries
- B Tectonic plate boundaries and mountainous areas
- C High population density and tropical climate
- D Tropical climate and tectonic plate boundaries

**9** Since 2001 what is the highest death toll experienced from a single landslide. (1 mark)

- A 15
- B 150
- C 1500
- D 15,000

**10** Can landslides happen under the sea/on the seabed? (1 mark)

- A Yes
- B No
- C Don't know

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