

Quiz: Mass Wasting and Hydrology April 21, 2005

- 1) Which of the following processes describes the general downhill movement of rock, soil, or unconsolidated materials under the influence of gravity?
a) debris sliding b) mass wasting c) surface tension d) weathering
- 2) Which of the following forces is the dominant cause of mass movement?
a) Gravity b) seismic energy c) tidal force d) wind
- 3) Which of the following has the steepest angle of repose?
a) angular quartz pebbles
b) coarse quartz sand
c) fine quartz sand
d) All of the above have the same angle of repose.
- 4) Surface tension is greatest when sand is _____.
a) dry
b) damp, but not saturated with water
c) saturated with water
d) oversaturated with water
- 5) In which of the following conditions does sand have the steepest angle of repose?
a) dry
b) damp, but not saturated with water
c) saturated with water
d) oversaturated with water
- 6) After oceans, which of the following reservoirs contains the most water?
a) atmosphere
b) glaciers and polar ice
c) lakes and rivers
d) underground waters
- 7) What percent on the world's water is fresh?
a) 1% b) < 1% c) 4% d) 10%
- 8) The water that does not infiltrate to the ground, but that moves mainly to the ocean, along the surface of Earth is called:
a) groundwater b) precipitation c) runoff d) fluvial
- 9) The areas in front of mountain ranges (facing oncoming winds) are subjected to this phenomenon:
a) high weathering rates b) orogenic precipitation
c) orographic precipitation d) lack of precipitation
- 10) The total amount of water on Earth is relatively constant with time.
a) True b) False