Mass Wasting and Glaciers

Directions: Unscramble the letters to find the terms that match the hints. Then write each term on the line after its scrambled letters.

1. SASM AWTGINS
   Hint: the downhill movement of a large mass of rocks or soil because of the pull of gravity

2. NLADIEDLS
   Hint: the rapid downhill movement of soil, loose rocks, and boulders

3. ASLTU
   Hint: a pile of angular rocks and sediment from a rockfall

4. LCRAGIE
   Hint: a large mass of ice that formed on land and moves slowly across Earth’s surface

5. LITL
   Hint: a mixture of various sizes of sediment deposited by a glacier

6. MENOAIR
   Hint: a mound or ridge of unsorted sediment deposited by a glacier

7. WOSUTAH
   Hint: layered sediment deposited by streams of water that flow from a melting glacier

Directions: Circle the term in parentheses that correctly completes each sentence.

8. Mass wasting commonly occurs when soil on a hillside is (soaked with rainwater/covered with vegetation).

9. Mass wasting and glaciers cause erosion and (flooding/deposition).

10. Rocks and grit that are frozen within a glacier erode grooves and scratches in underlying rocks as the glacier (moves/melts).

11. Deposition occurs as glaciers (move/melt).
**Mass Wasting and Glaciers**

**Directions:** On each line, write the term from the word bank that correctly completes each sentence. Some terms may be used more than once or not at all.

- deposition
- dune
- erosion
- glacier
- gravity
- ice
- landslide
- meander
- melts
- moraine
- moves
- outwash
- soil
- talus
- till

1. Mass wasting is the downhill movement of a large mass of rocks or soil because of the pull of ________________.

2. Mass wasting commonly occurs when ________________ on a hillside is soaked with rainwater.

3. Mass wasting and glaciers cause the processes of ________________ and ________________.

4. A(n) ________________ is the rapid downhill movement of soil, loose rocks, and boulders.

5. A pile of angular rocks and sediment from a rockfall is called ________________.

6. A(n) ________________ is a large mass of ice that formed on land and moves slowly across Earth's surface.

7. A glacier causes ________________ when rocks within its ice create grooves in underlying rock.

8. A glacier causes erosion as it ________________.

9. A mixture of various sizes of sediment deposited by a glacier is called ________________.

10. A mound or ridge of unsorted sediment deposited by a glacier is a(n) ________________.

11. A layered sediment deposited by streams of water that flow from a melting glacier is called ________________.
Antonyms are words that have opposite meanings. *Sharp* and *dull* are antonyms.

**Directions:** On the line before each word in the numbered column, write the letter of the correct antonym.

1. erosion
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

2. downhill
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

3. valley
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

4. increase
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

5. extensive
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

6. meander
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

7. freezing
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

8. unusual
   - A. mountain
   - B. straight
   - C. minimal
   - D. deposition
   - E. melting
   - F. uphill
   - G. decrease
   - H. smooth
   - I. common

9. jagged
Lesson Quiz A

Mass Wasting and Glaciers

True or False

Directions: On the line before each statement, write T if the statement is true or F if the statement is false.

1. The shaking from an earthquake can cause mass wasting. ______

2. A steep slope is more likely to experience mass wasting than a gentle slope. ______

3. The erosion caused by an alpine glacier produces a V-shaped valley. ______

4. A pile of angular rocks and sediment from a rockfall is till. ______

Multiple Choice

Directions: On the line before each question or statement, write the letter of the correct answer.

5. Which situation helps reduce the chance of mass wasting?
   A. steep slopes
   B. presence of plants
   C. soil saturated with water

6. Which type of mass wasting occurs most slowly?
   A. creep
   B. a rockfall
   C. a mudslide

7. Which landform is the result of glacial erosion?
   A. a horn
   B. a moraine
   C. an outwash plain

8. The two types of glaciers are
   A. ice sheet and cirque.
   B. alpine and ice sheet.
   C. moraine and outwash.