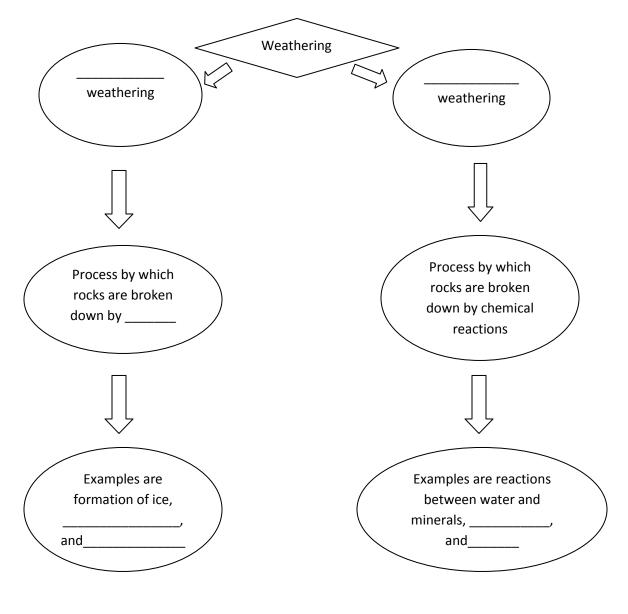
- 1. Weathering is the process of breaking down rocks and minerals in place. Name several types of weathering.
- 2. Bits of material that has been broken down by weather processes are called \_\_\_\_\_\_.
- 3. There are four ways sediments may be moved through erosion. Name the four processes.
- 4. Complete the web diagram below.



- 5. Soil quality depends on the
  - a) geography
  - b) parent material
  - c) plant material

- 6. Frost wedging occurs when
  - a) Salt crystals grow in a coastal environment
  - b) Animals dig into soil, or underground
  - c) Water fills cracks in rocks and the temperature drops to 0° C
- 7. Salt crystals cause weathering because their formation and \_\_\_\_\_\_ within pores or cracks in rocks causes them to weather.
- 8. \_\_\_\_\_ is a process of mechanical weathering that occurs when rocks are heated and cooled repeatedly and ends up cracking on the outermost layer due to the high temperature.
- 9. The process known as \_\_\_\_\_\_ is caused by pressure differences that cause expansion of the rock leading to cracking.
- 10. Describe at least 3 types of biological weathering.
- 11. How does acid rain cause weathering?
- 12. Oxygen combines with \_\_\_\_\_\_ to cause a change in the minerals.
- 13. Both forms of \_\_\_\_\_\_ act together to affect rocks.
- 14. Name 4 main factors that affect the rate at which weathering occurs.
- 15. Chemical weathering is slowest in \_\_\_\_\_, \_\_\_\_ climates.
  - a) Wet, cold
  - b) Dry, cold
  - c) Dry, warm
- 16. The (greater, less) surface area of a rock or mineral compared to its volume, the (faster, slower) it will weather.
- 17. Weathering is a (*positive, negative*) process because it releases important minerals into the soil that plants, animals, and ultimately humans use.
- 18. How do water and wind move sediments?
- 19. \_\_\_\_\_\_ is a form of erosion that involves downhill movement of large amounts of rock and sediment due to gravity.
- 20. Match each process of erosion with the correct name.

Landslides	a large amount of rock and sediment mixed with water flows downhill
Rockfalls	a large mass of soil or rock slides down a steep slope
Mudflow	weathering breaks rock of an outcrop
Slumping	loose soil becomes wet and slides or slumps