ES 11 Weathering Study Guide

1. Define Weathering.
2. Define Erosion
3. Define mechanical weathering.
4. Define chemical weathering.
5. Name THREE examples of mechanical weathering
6. Name THREE agents of chemical weathering .
7. What two substances are necessary to form carbonic acid?
8. Rocks containing what substance are more susceptible to weathering from carbonic acid?
9. What happens when rocks containing iron are exposed to oxygen?
10. Is this an example of chemical or physical weathering?
11. What type of climate promotes weathering?
12. Which rocks or minerals are more **susceptible** to chemical weathering?
13. What rocks are more **resistant** to mechanical weathering? Give an example.
14. Which more susceptible in wet climates?
15. Sedimentary are only as strong as (cement).
16. Marble and limestone are durable but susceptible to acid in wet climates.
17. What factors affect the **rate** at which a rock weathers?
18. Explain why igneous and metamorphic rocks weather more rapidly in **wet** climates.
19. *Sedimentary* rocks are only as durable as their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
20. What is ice wedging?
21. Name agents of erosion.
22. Name of tall spikey landform due to excess water washing away minerals/limestone through dissolution.
23. Name of big slab of permanent frozen ice.
24. Rock deposits left behind by glaciers.
25. Name of structure formed by wind and sand carving out a land form.
26. Big landslide occurring in 1903 in BC that covered a whole town.