

## Review questions: Weathering and Mass Wasting

1. Define gradation, degradation and aggradation
2. What are the four agents of gradation?
3. What is weathering? How is it different from erosion?
4. Explain the 3 types of weathering.
5. Give examples (process, not evidence) of each of the 3 types of weathering.
6. What might you see (evidence) if physical (mechanical) weathering dominates?
7. What temperature regime is associated with frost wedging (ice expansion in cracks)? Where are you likely to find this?
8. What might you see (evidence) if chemical weathering dominates in an area?
9. What climate (temp. and precip.) is associated with chemical weathering?
10. What is differential weathering?
11. Define mass movement. What factors influence mass movement?
12. Explain the role of water in mass movement.
13. What 2 main variables are used to classify types of mass movement.
14. What are 2 distinguishing factors between soil creep and debris flow?
15. What are 2 distinguishing factors between soil creep and solifluction?
16. What is the distinguishing characteristic of an earth slump?
17. Why does California have so many debris flows?