

Physical Geology

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Mineral Resources

1. What are renewable resources?
2. What are nonrenewable resources?
3. What are reserves?
4. What are resources?
5. What is ore?
6. What factors contribute to profitability?
7. What are some metals that are generated by the process of magmatic segregation and what is that process?
8. What are some of the common minerals found in pegmatites used for?
9. What are some gems that occur in pegmatites?
10. What are some rare minerals found in pegmatites?
11. How, where, and in what kind of rocks are diamonds formed?
12. What are hydrothermal solutions and where do they originate?

13. How are vein deposits formed and what are some examples?
14. What are disseminated deposits, how do they form, and what are some examples?
15. What are black smokers?
16. What are contact metamorphic deposits, how do they form, and what are some minerals that are associated with them?
17. What is the process of secondary enrichment?
18. What metal comes from bauxite and how is bauxite formed?
19. How does the process of secondary enrichment act on disseminated copper ores and what is the surface expression?
20. What are placer deposits?
21. What type of minerals do they concentrate?
22. Where are common sites of accumulation of placer deposits?
23. What are nonmetallic mineral resource?

24. Look at the figure for per capita consumption of nonfuel resources in the United States and discuss which products each person uses the most of and relative amounts.

25. What materials comprise natural aggregate?

26. What are other important building materials and what are they used for?

27. What are industrial minerals and what are they used in?

28. What are examples of abrasives?

29. What materials are used in fertilizers and what are their sources?

30. What is most sulfur used for?

31. Where is salt found and how is it used?

32. Write a paragraph about what you learned from the movies on mining and your reaction to them.