

STUDY QUESTIONS FOR ROCKS & RESOURCES (Ch. 10 & 11)

Ch. 10: Rocks

1. What are the 3 major types of rocks based on?
2. What is the rock cycle?
3. How are igneous rocks formed? (2 steps)
4. What is the difference between intrusive and extrusive igneous rock? (discuss location, cooling rate, and crystal size)
5. How do sedimentary rocks form?
6. How are clastic sedimentary rocks classified?
7. What are organic sedimentary rocks made of?
8. How do chemical rocks form?
9. What are coal and limestone made of? (specifically)
10. How are metamorphic rocks formed?
11. What is a porphyry?
12. What is the difference between regional and contact metamorphism?
13. What is foliation?
14. What sedimentary rock will become marble?

Ch. 11: Resources

1. What is the difference between renewable and nonrenewable resources?
2. What are ores?
3. What are fossil fuels?
4. How is coal formed? (be specific with each step and identify each step)

5. How are petroleum and natural gas formed?
6. What is the difference between nuclear fission and nuclear fusion?
7. What is the only naturally occurring element that can be used in nuclear fission?
8. Why would nuclear fusion be a good energy source if we could harness the energy?
9. Explain how energy is created from a power plant?
10. How is solar energy used?
11. How is geothermal energy used?
12. How is hydroelectric energy used?
13. How is wind energy used?

STUDY QUESTIONS FOR ROCKS & RESOURCES (Ch. 10 & 11)

Ch. 10: Rocks

1. What are the 3 major types of rocks based on?
2. What is the rock cycle?
3. How are igneous rocks formed? (2 steps)
4. What is the difference between intrusive and extrusive igneous rock? (discuss location, cooling rate, and crystal size)
5. How do sedimentary rocks form?
6. How are clastic sedimentary rocks classified?
7. What are organic sedimentary rocks made of?
8. How do chemical rocks form?
9. What are coal and limestone made of? (specifically)

10. How are metamorphic rocks formed?
11. What is a porphyry?
12. What is the difference between regional and contact metamorphism?
13. What is foliation?
14. What sedimentary rock will become marble?

Ch. 11: Resources

1. What is the difference between renewable and nonrenewable resources?
2. What are ores?
3. What are fossil fuels?
4. How is coal formed? (be specific with each step and identify each step)
5. How are petroleum and natural gas formed?
6. What is the difference between nuclear fission and nuclear fusion?
7. What is the only naturally occurring element that can be used in nuclear fission?
8. Why would nuclear fusion be a good energy source if we could harness the energy?
9. Explain how energy is created from a power plant?
10. How is solar energy used?
11. How is geothermal energy used?
12. How is hydroelectric energy used?
13. How is wind energy used?