

Chapter 4 Review

Match each phrase with the correct term from the list below:

- | | | | |
|-----------------|-----------------|----------------|---------------------|
| A. basaltic | F. foliated | K. metamorphic | O. sediment |
| B. cementation | G. granitic | rock | P. sedimentary rock |
| C. cogeneration | H. igneous rock | L. nonfoliated | Q. waste coal |
| D. compaction | I. intrusive | M. rock | |
| E. extrusive | J. lava | N. rock cycle | |

- _____ 1. mixture of one or more minerals, mineraloids, glass, or organic matter
- _____ 2. processes that form and change rocks
- _____ 3. molten material at Earth's surface
- _____ 4. igneous rocks that form when lava cools
- _____ 5. a rock formed by heat and pressure
- _____ 6. quartzite has this kind of texture
- _____ 7. fragments of rocks, minerals, plants, and animals
- _____ 8. sediments are pressed together
- _____ 9. sediments become glued together
- _____ 10. poor-quality coal piled up near old mines

Choose the word or phrase that completes the sentence or answers the question.

11. Magma reaches Earth's surface because it is _____ than the surrounding rocks.
 - a. more dense
 - b. more massive
 - c. cooler
 - d. less dense
12. Igneous rocks form from _____.
 - a. sediments
 - b. mud
 - c. gravel
 - d. magma
13. _____ rocks have large mineral grains.
 - a. Intrusive
 - b. Extrusive
 - c. Obsidian
 - d. Basaltic
14. During metamorphism of shale into slate, minerals _____.
 - a. partly melt
 - b. become new minerals
 - c. grow larger
 - d. align into layers
15. Gneiss is a(n) _____ rock.
 - a. foliated
 - b. nonfoliated
 - c. intrusive
 - d. extrusive
16. _____ is a rock made of large, angular pieces of sediments.
 - a. Conglomerate
 - b. Breccia
 - c. Limestone
 - d. Chalk
17. Conglomerates form in much the same way as shales, sandstones, and _____.
 - a. limestones
 - b. evaporates
 - c. breccias
 - d. precipitates
18. _____ occurs when a power plant uses both the electrical and thermal power.
 - a. Wasted thermal energy
 - b. Inefficiency
 - c. Cogeneration
 - d. Loss of Power
19. _____ forms when water carries sulfur from coal in solution.
 - a. An open pit
 - b. Soil
 - c. A surface mine
 - d. Acidic water
20. Which of these is not an organic rock?
 - a. shale
 - b. coal
 - c. chalk
 - d. coquina