

Rocky Mountain National Parks

Homework

Name _____

Read p. 1-32 in your class-pack and answer the following questions.

Background

1. What are the three major types of rocks?

2. Who put forth the principle of Uniformitarianism? _____
3. What are the three eras of the Phanerozoic Eon?

4. What period makes up more than 85% of earth history? _____

Badlands

5. What was the largest mammal that lived during the Oligocene? _____
6. Ancient buried soil horizons are called _____ .
7. What type of sedimentary rock contains a high proportion of clay minerals that are derived from the weathering of volcanic ash? _____
8. What is the dominant geologic agent of erosion in the Badlands? _____
9. Hollow concretions that weather out of sedimentary rocks as discrete nodules are called:

Wind Cave & Jewel Cave

10. List two examples of carbonate rocks. _____
11. What type of acid forms when carbon dioxide (CO₂) is dissolved in water?

12. How many miles of Wind cave have been mapped? _____
13. What feature is formed when fractures are infilled with secondary calcite, followed by solution of the primary limestone? _____
14. List five secondary cave features found in Wind Cave.
15. When were the Black Hills uplifted? _____