

Episode: Colors of the Earth...Gold and Gemstones

EXPLORING NORTH CAROLINA



USEFUL VOCABULARY

corundum
mineral
placer mining
rock
terrane
thrust fault

CHAPTER 1 (1:33-6:24)

1. Describe how mountains were “built” in North Carolina.
2. What causes rocks to weather? How does soil develop from these processes?
3. Describe the following geological divisions of North Carolina: Ancestral North America, Suspect Terranes and Exotic Terranes.

CHAPTER 2 (6:24-12:38)

4. Describe the process of gold rising.
5. Describe the significance of the discovery of gold in North Carolina in 1799.
6. What is in greenstone?
7. Describe the size of the gold nuggets found at Reed Gold Mine.
8. Explain what the weight of gold has to do with panning for gold.

CHAPTER 3 (12:38-16:35)

9. What are corundums?
10. How would you search for sapphires and rubies in the western Piedmont of North Carolina?

CHAPTER 4 (16:35-20:30)

11. Describe how Hiddenite got its name.
12. How do you search for emeralds?
13. What element gives an emerald its color?

CHAPTER 5 (20:30-22:12)

14. How do gem cutters determine how to shape a diamond?

CHAPTER 6 (20:15-24:05)

15. Why is North Carolina a rock hound's paradise?