



USEFUL VOCABULARY

- clay
- earthenware
- hematite
- inorganic
- kaolin
- perc (percolate)
- sheet silicates
- stoneware
- utilitarian

CHAPTER 2 (0:00–2:40)

- 1.** Describe why the narrator may have said: “North Carolinians have a love/hate relationship with clay.”
Some negative aspects: Clay sticks on tires, shoes, etc. Some positive aspects: Clay may be used to make bricks, walls, schools, toilets, walkways, etc.
- 2.** Where is clay found in North Carolina? What color is it?
Throughout the state; usually red, but can also be gray and white.
- 3.** What is clay?
Inorganic mineral compounds.
- 4.** What character traits does Ben Owen exemplify through his pottery?
Some possible answers: pride, humility.
- 5.** Why did Ben Owen smash his pots?
He didn’t want to put his name on a product that he considered inferior.

CHAPTER 3 (2:40–4:55)

- 6.** What did the narrator mean by the statement: “Clay has helped define civilization”?
Artistic and utilitarian objects baked from clay date back 5,000 years.
- 7.** What does the word utilitarian mean?
Useful for many practical purposes.
- 8.** Why is clay particularly significant in North Carolina?
Some possible answers: Clay is a part of North Carolina’s heritage; few places on Earth have more clay or more types of clay.
- 9.** American Indians had what uses for clay?
Possible answers: cooking pots, vessels, art objects.

CHAPTER 4 (4:55–8:47)

- 10.** How is clay formed in the earth?
Weathering turns rocks into clay.
- 11.** What is different about the clay in Spruce Pine?
It contains white kaolin that can be used to make china.
- 12.** What gives red clay, which is found throughout the Piedmont, its color?
Rust or hematite.
- 13.** What is the texture of clay? What type of mineral is it?
Extremely fine particles: 1/50th the size of a grain of sand and less than 1/13,000th of an inch; it is part of a slippery family of minerals known as sheet silicates.
- 14.** What makes clay plastic?
Clay particles are small, greasy and slick and stick together well.

- 15.** What are some effects of clay's affinity for water?

Some possible answers: Clay expands when saturated; it can double in size when wet, but cracks when dry, such as in a cracked clay riverbed; walls built on clay soil can crack.

- 16.** How is clay important to agriculture?

A certain amount of clay is beneficial to crops because it retains water and ions that plants need. However, too much clay can prevent water from percolating and reaching plant roots.

- 17.** How were the most economically important clay deposits in North Carolina formed?

North America and Africa rifted apart 200 million years ago. Triassic basins formed, and shallow, clay-based lakes were created.

- 18.** Why was Research Triangle Park built in its location?

Durham Subbasin is a clay Triassic basin. Its soils don't perc well and so the area wasn't good for farming or development. Research Triangle Park and Raleigh-Durham International Airport are in the middle of the Triassic basin, making good use of land that wasn't practical for other purposes.

CHAPTER 5 (8:47-13:40)

- 19.** Why did settlers of Seagrove begin making pottery?

Some possible answers: They made pottery for storing farm supplies and trading with merchants and craftsmen; they made pots to store milk, whiskey, etc.

- 20.** Describe the differences in earthenware and stoneware.

Some possible answers: Earthenware is easier to fire because of the lower temperatures needed; it has a yellow tone; it is higher in iron content; it is used for baking and cooking. Stoneware is fired at higher temperatures; it is blue, blue-gray or white; it is more durable for storage.

- 21.** Describe the appearance of face jugs.

Some possible answers: Whimsical, large teeth and noses, some with horns or tears.

- 22.** What do you think the narrator meant in describing the process of throwing pots as "a symphony in clay"?

Some possible answers: Pieces must join together to create beauty; making pots is peaceful, much like listening to some symphonic music.

CHAPTER 7 (16:40-22:37)

- 23.** Describe the process of making clay bodies.

Some possible answers: Mix fine, medium and coarse clay; locate each type at different locations; dry, grind, mix and form.

- 24.** What happens to pottery off the wheel?

It dries for about a week, is bisque-fired to 1800 degrees and is fired again at higher temperatures after a glaze is applied.

- 25.** How does a salt glaze affect pottery?

It produces an "orange peel" design.

- 26.** What do you think is meant by the title of this video, "Stuck in Clay"?

Some possible answers: Clay is very plastic and sticky; once a person enjoys working with clay, he or she may be hooked or "stuck" in the process of making things with clay.