

Landfill Design Video Printable Quiz 4th Grade & Up

1. How much garbage do Lincoln and Lancaster County residents generate in a year's time?
 - a. 190,000 tons per year
 - b. 225,000 tons per year
 - c. 280,000 tons per year
 - d. 320,000 tons per year

The correct answer is "d." Lincoln and Lancaster County generates 320,000 tons of waste per year or about 6.5 pounds of garbage per person per day. That amount of garbage would fill up the Nebraska State Capitol 11 times.

2. Which one of the locations listed below did not serve as a landfill for the City of Lincoln?
 - a. Sunken Gardens
 - b. North of the Haymarket Park baseball field
 - c. North 48th Street Transfer Station
 - d. Pioneers Park

The correct answer is "d," Pioneers Park. Up until 1988, when the current Bluff Road Landfill was built, the City used low spots to dump its waste. Pioneers Park is the only location on this list that has not served as a landfill for our community.

3. The Bluff Road Landfill has a liner of compacted clay and plastic to protect which of the following?
 - a. Groundwater
 - b. Our health
 - c. Our environment
 - d. All of the above

The correct answer is "d," all of the above. The Bluff Road Landfill was the first in Nebraska to meet national requirements for a liner system to help protect our health and environment by ensuring that groundwater is not contaminated.

4. Liquids in the landfill that pick up contaminants in garbage are called:
 - a. Leachate
 - b. Dirty water
 - c. The green slime
 - d. None of the above.

The correct answer is “a,” leachate. Every week about 15,000 gallons are pumped out of the landfill. That’s about 300 bathtubs full of contaminated water each week.

5. The City plans to capture methane gas produced from rotting garbage in order to do the following:
- a. Produce energy
 - b. Reduce green-house gas emissions
 - c. Reduce odors
 - d. All of the above

The answer is “d,” all of the above. There are many benefits to capturing the methane gas and producing energy from it. The City also hopes to generate revenue from the sale of energy to private firms.

6. How long will the Bluff Road Landfill be able to accept waste?
- a. 2020
 - b. 2028
 - c. 2034
 - d. 2042

The correct answer is “c.” The landfill opened in 1988, and it is projected to last until 2034. When it is full, it will hold over 19 million cubic yards of garbage and soil. It will be the largest manmade structure in the county, about the size of 19 schools including the parking lots and playground. The south end of the landfill will be 150 feet tall. That’s taller than a 12-story building!

7. One of the best ways to make sure that our garbage doesn’t pollute water is to not throw away things labeled “warning” or “poison.”
- a. True
 - b. False

The correct answer is “a,” true. Many cleaning products have words like “caution” or “warning” on the labels. These should be taken to a household hazardous waste collection event. The City sponsors a number of these collections each year.

There’s a lot more to learn. Just visit the City Web site at lincoln.ne.gov – keyword: recycle.