

Questions – Virtual Tour of Central Landfill

Student Name _____

1. Which TWO of the following are NOT true statements about the Central Landfill?

- A. It is a sanitary landfill.
- B. The height at the top of the landfill is 250ft above sea level.
- C. It is the highest point in Rhode Island.
- D. The distance between the highest ground water level and the bottom of the landfill must be at least 5 ft.

2. Fill in the blank:

During the construction of the landfill liner, _____ pipes are sandwiched within the layers of clay, sand and stone to capture and remove any water that flows through the trash.

3. Circle the term that belongs in the sentence below:

The dirty water that passes through the trash is called _____.

SEDIMENT

GRAY WATER

LEACHATE

4. After trash is tipped and inspected to ensure its contents are safe, a large compactor runs over the trash to crush it. Why?

5. True or false:

- | | | |
|---|------------|-------------|
| Trucks from RI, MA and CT deliver trash to RIRRC each day. | _____ True | _____ False |
| Cities and towns tip trash and recycling for free at RIRRC. | _____ True | _____ False |
| Trash is covered at the end of each day; no trash is exposed overnight. | _____ True | _____ False |
| After capping a phase, rainwater cannot contact the trash. | _____ True | _____ False |
| Methane is 21x as potent a greenhouse gas as carbon dioxide. | _____ True | _____ False |

6. The carbon dioxide and methane collected are used as fuel to produce enough energy to power how many RI homes each year?

- A. 12,000
- B. 21,000
- C. 28,000
- D. 58,000