



NAME \_\_\_\_\_

DATE \_\_\_\_\_

## Worksheet 1

### Fill in the blank

1. SWACO stands for the \_\_\_\_\_ of Central Ohio
2. The EPA stands for the \_\_\_\_\_ Agency
3. \_\_\_\_\_ is created when rainwater drips through landfill garbage
4. Trash can be burned or \_\_\_\_\_ to produce electricity
5. The four "R's" of waste reduction are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_

### True or False

6. Sanitary Landfills and garbage dumps are the same T or F
7. Rethinking, Reducing, Reusing and Recycling is a good way to reduce waste T or F
8. Plastic is the first layer in a landfill. T or F
9. An aquifer is water that appears on the earth's surface. T or F
10. Landfills must cover the waste every day. T or F
11. 2,000 pounds is equal to one ton. T or F

### Multiple Choice

12. What material is thrown away the most?
  - a. Styrofoam
  - b. Paper and cardboard
13. Which of the following is renewable?
  - a. Oil
  - b. Trees
14. What do they call the hole that is built to bury waste in?
  - a. Crack
  - b. Cell
15. What natural resource is used to make glass?
  - a. Iron ore
  - b. Sand



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## Worksheet 2

### Identify the following natural resources as renewable or nonrenewable

1. Trees \_\_\_\_\_
2. Sand \_\_\_\_\_
3. Plants and Animals \_\_\_\_\_
4. Minerals \_\_\_\_\_
5. Oil \_\_\_\_\_

### True or False

1. Sanitary landfills and garbage dumps are the same T or F
2. Waste haulers must pay a tipping fee in order to leave garbage at the landfill T or F
3. Aluminum is made from bauxite ore T or F
4. The first layer in a cell is concrete T or F

### Matching

5. \_\_\_\_\_ is produced when rainwater drips through trash in a landfill and mixes with Household Hazardous Waste (HHW) A. Recycling
6. A layer of material that does not allow fluids to pass through can be called \_\_\_\_\_ B. Groundwater
7. Minimizing waste disposal by reprocessing usable products that might otherwise end up in a landfill is called \_\_\_\_\_. C. Impermeable
8. Water located beneath the earth's surface is referred to as \_\_\_\_\_ aquifers D. Leachate



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### Worksheet 3

#### Fill in the blank

1. Minimizing waste generation by sorting usable products that might otherwise end up in a landfill is called \_\_\_\_\_
2. \_\_\_\_\_ is produced when rainwater mixes with garbage inside a landfill
3. CH<sub>4</sub> or \_\_\_\_\_ is a natural gas and resource produced in landfills that must be collected
4. MSW stands for \_\_\_\_\_
5. The Franklin County Landfill receives \_\_\_\_\_ on an average daily basis

#### True or False

1. Sanitary landfills and garbage dumps are the same T or F
2. Capped landfills can be used as farmland T or F
3. Bauxite is a non-renewable resource T or F
4. All plastics can be recycled at the local recycling center T or F
5. Planting grass on the landfill helps prevent erosion T or F
6. CNG means Certified Neutron Gas T or F

#### Match the following byproducts to the treatment technology

- |                   |                                                              |
|-------------------|--------------------------------------------------------------|
| 1. Methane gas    | Channeled to sedimentation ponds at the base of the landfill |
| 2. Surface runoff | Sent to waste water treatment facility                       |
| 3. Leachate       | Flared or converted to Compressed Natural Gas (CNG)          |