

## Questions – Virtual Tour of RI's Materials Recycling Facility

### ANSWER KEY

1. Which of the following materials, if mixed in with recyclables, can cause damage to the equipment, injury to the workers and reduce the quality of the materials sold to recyclers? Circle all that apply.

- A. Scrap metal
- B. Hoses
- C. Textiles
- D. Plastic bags
- E. All of the above
- F. None of the above

2. What effect does completely crushing plastic containers have on the way they travel through the sorting process?

It makes them act like paper in the sorting system because they're flat.

3. Draw a line to match the type of recyclable materials with the piece of equipment used to separate them out during the sorting process.

Aluminum cans & foil

Permanent magnet

Steel & tin cans

Eddy current separator

4. Fill in the blank:

Optical sorters use light and the way it REFLECTS off different materials to identify and sort them.

5. Which of the following describes the three methods by which mixed recyclables are separated in the Materials Recycling Facility (MRF)?

- A. Manual, Mechanical, Optical
- B. Manual, Mechanical, Electrical
- C. Mechanical, Optical, Electrical
- D. Mechanical, Manual, Magical

Questions – Virtual Tour of RI’s Small Vehicle Area

ANSWER KEY

1. Fill in the blank:

Aside from mixed household recycling, the items accepted in the Small Vehicle Area cannot be processed in the Materials Recycling Facility because they are either too big to run through the system or too difficult to SORT. Therefore, they must be delivered separately for recycling.

2. Draw a line to match the recyclable material with the cost to deliver it to the SVA.

Scrap Metal

Mattresses

FREE

TVs

Auto batteries

Wood Pallets

FEES APPLY

Large coolant-free appliances, ie. washers, dryers

Tires

3. Which ONE of the following items CANNOT be delivered to the Small Vehicle Area (SVA)?

- A. Motor oil
- B. Antifreeze
- C. Appliances
- D. Bulky rigid plastics
- E. Plastic bags

4. True or False: Books, CDs, DVDs, and VHS tapes are accepted in the Small Vehicle Area.

\_\_\_\_\_ True \_\_\_\_\_ False

5. Which of the following facilities are available to Rhode Island residents to drop off materials? Circle all that apply.

- A. Local transfer station
- B. Local recycling center
- C. Local Department of Public Works
- D. Resource Recovery Small Vehicle Area
- E. All of the above
- F. None of the above

Questions – Virtual Tour of Eco-Depot

ANSWER KEY

1. Substances labeled with which of the following terms should be brought to an Eco-Depot collection for household hazardous waste (HHW)? Circle all that apply.

- A. Combustible
- B. Toxic
- C. Waterproof
- D. Flammable
- E. Poison

2. Which ONE of the following items DOES NOT need to be delivered to an Eco-Depot Collection event?

- A. Pesticides
- B. Propane tanks
- C. Rechargeable batteries
- D. Paint
- E. Cleaning chemicals
- F. Laundry detergent
- G. Mercury

3. What can hazardous substances affect if poured down the drain or disposed of in the trash? Why is this bad?

It can negatively affect the bay, oceans and drinking water supply.

4. Approximately how many people do we serve during each of our five (5) hour collection events? 25 people/every 15 minutes

5. True or false:

You must make an appointment to attend an Eco-Depot collection event. \_\_\_\_\_ True \_\_\_\_\_ False  
Paint & mercury collected are reclaimed and reused. \_\_\_\_\_ True \_\_\_\_\_ False  
Flammables and other combustibles collected are used to make electricity. \_\_\_\_\_ True \_\_\_\_\_ False

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

Collected household hazardous waste that is not reclaimed or recycled is \_\_\_\_\_ put in RI's Central Landfill.

SOMETIMES                      ALWAYS                      NEVER

Questions – Virtual Tour of Composting Operation

ANSWER KEY

1. Which ONE of the following is NOT accepted as leaf and yard debris in the compost operation?

- A. Grass Clippings
- B. Leaves
- C. Branches
- D. Twigs
- E. Tree trunks

2. After grinding, why is the leaf & yard debris placed in long rows, turned and kept moist?

So that it gets the oxygen it needs for decomposition.

3. Fill in the blank:

With the help of an environment rich in oxygen, organic materials breakdown and decompose due to the presence of MICROBES that eat the debris, leaving behind finished compost.

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

Resource Recovery produces Class A compost, approved for use in organic farming. In order to determine its classification, the finished compost is tested for toxic organics and \_\_\_\_\_.

BACTERIA

MICROBES

HEAVY METALS

5. Which of the following describe uses of the compost produced at Resource Recovery? Circle all that apply.

- A. Roof top gardening
- B. Drylands restoration
- C. Turf farming
- D. Municipal projects
- E. All of the above

6. True or false:

|  |                  |       |
|--|------------------|-------|
| Brush and branches can be as large as 3” in diameter to be accepted. | _____ True _____ | False |
| Leave, twigs and grass clippings must be free of any trash.          | _____ True _____ | False |
| It takes 2-4 months to produce compost onsite.                       | _____ True _____ | False |
| Leaf & yard debris should be delivered to RIRRC in any type of bag.  | _____ True _____ | False |
| Compost from RIRRC is approved for use in organic farming.           | _____ True _____ | False |
| Backyard compost bins can be purchased at a discount at RIRRC.       | _____ True _____ | False |

Questions – Virtual Tour of Central Landfill

ANSWER KEY

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, \_\_\_\_\_ LEACHATE \_\_\_\_\_ 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?

To make sure the most trash fits into the smallest space possible.

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

Questions: Recycling Right in RI

ANSWER KEY

1. For products made of natural fibers, which of the following should **NOT** be put in your recycling bin or cart?

- A. Flattened cardboard and paper
- B. Paper towels, napkins and tissues
- C. Cartons
- D. Textiles
- E. Shredded Paper
- F. Cork and wood

2. When it comes to metal, which of the following are the ONLY THREE (3) types of items that you **CAN** place in your recycling bin or cart?

- A. Metal cans
- B. Metal pans
- C. Metal lids
- D. Aluminum foil
- E. Metal hangers

3. True or false: You can recycle the following items in your recycling bin or cart.

|              |       |             |       |              |
|--------------|-------|-------------|-------|--------------|
| Glass jar    | _____ | <b>True</b> | _____ | False        |
| Glass cup    | _____ | True        | _____ | <b>False</b> |
| Glass bottle | _____ | <b>True</b> | _____ | False        |

4. Fill in the blank:

Before placing them in your recycling bin or cart, all containers (i.e., cans, cartons, glass jars, plastic bottles) should be empty at a minimum and **RINSED WHENEVER POSSIBLE**.

5. A plastic hanger is made of plastic, but doesn't belong in your recycling bin or cart. Why not?

**Because it is not a container.**

6. Should plastic bags be put in your recycling bin or cart under any circumstances? \_\_\_\_\_ Yes \_\_\_\_\_ **No**

7. Which of the following are important for recycling right in Rhode Island?

- A. Always setting out recycling loose in your recycling bin or cart – no recycling inside of bags.
- B. Only placing recyclables in a dedicated recycling bin or cart.
- C. Recycling anything that's plastic, metal or glass in your recycling bin or cart.
- D. Recycling everything you can that is accepted in Rhode Island's recycling program but nothing more.
- E. A, B and C only
- F. **A, B and D only**