

Questions – Virtual Tour of RI’s Materials Recycling Facility

Student Name _____

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?

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 _____ 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