

NAME(S): \_\_\_\_\_

LOCATION: FORD ROUGE FACTORY TOUR

### to look and listen

1 While visiting Station 3, *Observation Deck*, look for clues inside and outside to answer these questions:

Observation Deck Checklist - Find the:

- |  |  |
|--|--|
| <input type="checkbox"/> Living roof       | <input type="checkbox"/> Sedum display               |
| <input type="checkbox"/> Beehives          | <input type="checkbox"/> Photovoltaic cells          |
| <input type="checkbox"/> Crabapple orchard | <input type="checkbox"/> Porous pavement display     |
| <input type="checkbox"/> Light boxes       | <input type="checkbox"/> Recycled materials          |
| <input type="checkbox"/> Pond              | <input type="checkbox"/> Green screen                |
| <input type="checkbox"/> Solar panels      | <input type="checkbox"/> Porous pavement parking lot |

Why is sedum used in the living roof?

\_\_\_\_\_

What are the advantages of the living roof?

\_\_\_\_\_

Why build a porous pavement parking lot?

\_\_\_\_\_

2 Explore the inside of the Dearborn Truck Plant from Station 4, *Final Assembly Plant*:

Factories of the early 1900s were often dark, dirty, smelly and stuffy. How would you describe the Dearborn Truck Plant?

\_\_\_\_\_

\_\_\_\_\_

Ergonomics is the science of fitting the job and the work environment to the worker.

Find examples of how the Dearborn Truck Plant helps the health, safety and comfort of its workers.

\_\_\_\_\_

\_\_\_\_\_

### to draw or describe

An advertisement that describes an environmental innovation at the Dearborn Truck Plant

### Fun Facts

A living roof stays the same temperature as a typical front lawn, keeping the building cooler. It also can trap dust and absorb carbon monoxide while creating a habitat for insects, birds and butterflies.

The living roof can absorb 4 million gallons of water, enough to fill 345 swimming pools.

To make one pound of honey, worker bees in a hive fly 55,000 miles and tap 2 million flowers.

### to think and talk about

What other things do you think manufacturers could do to improve the health and safety of their workers and the environment?