

NAME: \_\_\_\_\_

### MUST-SEES

- Blue cistern
- Reusable plastic containers
- The 6 Eco-Banners:
  - Eco-Footprint
  - Eco-Glossary
  - Eco-Facts
  - Eco-Inspirational Quotes
  - Eco-Friends of the Rouge
  - Eco-Moments in History

### GLOSSARY

**POROUS:** a material that is full of holes that allow air and water to pass through

**PHOTOVOLTAIC:** the creation of electricity from sunlight

**SOLAR PANELS:** devices used to convert energy within the sun's rays into electricity

**LIVING ROOF:** a roof that is made of/ contains plants (like sedum) that help maintain a steady temperature

### DRAW WHAT YOU SAW

Draw an advertisement that encourages people to grow or install one of following in their homes:

1. Solar panels
2. Living roof
3. Porous pavement
4. Beehives

Use the back of this page! →

## TEAM UP & TALK

1. Observation Deck Checklist—Find the:

- |  |  |
|--|--|
| <input type="checkbox"/> Living Roof       | <input type="checkbox"/> Solar Panels                |
| <input type="checkbox"/> Beehives          | <input type="checkbox"/> Sedum Display & Base Layers |
| <input type="checkbox"/> Crabapple Orchard | <input type="checkbox"/> Photovoltaic Cells          |
| <input type="checkbox"/> Light Monitors    | <input type="checkbox"/> Porous Pavement Display     |
| <input type="checkbox"/> Pond              | <input type="checkbox"/> Green Screen                |

What are the advantages of the living roof versus a metal roof?

Why is a porous pavement parking lot better than concrete or asphalt? What does it do better than asphalt?

2. How does the living roof help keep the building cooler?

3. How many gallons of water can the living roof absorb? How does it work?

4. Explore Station 4, the Final Assembly Plant. Factories of the early 1900s were often dark, dirty, smelly and stuffy. How would you describe the Dearborn Truck Plant of today?

## CREATIVE THINKING & PROBLEM SOLVING



What environment-friendly practices have you seen here that you could adapt to your own home or school?



## CHAPERONE TIP SHEET

The Henry Ford's History Hunters have been especially aligned to reinforce 21st-century skills, such as creativity and innovation, critical thinking and problem solving, and communication and collaboration. Use this tip sheet to engage students in the learning process.

**Please remember that the person who does the work does the learning. Use an asking vs. telling approach.**



**Here are some questions to ask the students as you visit the Ford Rouge Factory Tour.**

### **At Station 3: Observation Deck**

- How did the environment around the Rouge change after it was built?  
How has it remained the same?
- Today's cars are powered by gasoline. What more eco-friendly forms of fuel do you think could power the cars of tomorrow?
- What environment-friendly practices can you have at home and at school to help conserve resources?

### **Station 4: Assembly Plant**

- Can you guess what percentage of the Ford F-150 is made of recycled materials?  
How much of the car, do you think, can be recycled after it becomes obsolete?

**Answer:** The F-150 contains 25% recycled content. At the end of the vehicle's life, 90% of the F-150 is recyclable.

**If the students are having trouble finding the Must-See items, you can guide them to these areas.**

- Blue cistern: Just inside the entrance, near the Legacy Theater.
- Reusable plastic containers: Can be found all over the Final Assembly Plant; there is a great view of them and a sign discussing them between Headlamp Install and Viewing Platform 2.
- Eco-Banners: The location of the Eco-Banners varies depending on time of year and special programming. Ask a presenter if you need assistance.