



SOLID
WASTE

Knott Landfill Field Trip Discovery Sheet

The U.S. produces more than 12% of the planet's trash, though it is home to only 4% of the world's population. In 2022, Oregonians generated over 6 million tons of municipal solid waste (MSW) and put 3.5 million tons into landfills or incinerators. Use this worksheet to accompany the Knott Landfill Tour. It will help in your understanding of waste management, and think critically about what you are learning.

Transfer Station

- 1 How many Transfer stations does DCSW operate?
A Two **B** Five **C** Eight
- 2 Transfer stations play a vital role in cost-effective solid waste transportation by transferring waste from smaller to larger vehicles for disposal. They improve efficiency by centralizing waste collection and transportation. Use the space below to jot down observations in the Transfer station.

- 3 What is thrown out in the highest percentage in US Landfills?
A Food **B** Plastic **C** Clothing
- 4 How much waste is disposed daily at Knott Landfill ? _____ Tons

Recycling Center

- 5 Name 3 items that are recycled at this facility that cannot be recycled in curbside recycling.

- 6 Where does the commingle recycling in Bend go?
A Into the landfill **B** To a facility in Portland **C** To a company in California

Recycling Center

- 7 Why is it dangerous to throw lithium batteries (found in remote control cars, hand tools, mobile phones, tablets, electric toothbrushes) in waste streams?

- 8 How does County's current recycling percentages compare with state regulations?

A We recycle more **B** We recycle less **C** We have the highest rates in the state

Landfill Cells

- 9 What is the difference between a Landfill and a dump?

- 10 What is Leachate?

A A worm with suckers **B** The smelly gas collected in a landfill **C** Water that is polluted after passing through the solid waste.

- 11 What is the gas called that is created in the landfill from organic matter decomposing?

A Carbon Dioxide **B** Methane **C** Fluorinated gases

- 12 What will the gas that is collected eventually be used for?

- 13 How many cells are left to fill at Knott? _____ Cells

- 14 What are the 6 **R**'s in waste management and diversion?
