

# Does racism cause environmental hazards?

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## 1 Introduction

## 2 Driving Question

Does racism cause environmental hazard?

## 3 Public Product

Each student will create a map that evaluates how environmental hazards are spatially distributed and evaluate factors that cause this exposure risk.

## 4 Learning Outcomes

Students will be able to:

- Collect and analyze metal concentrations from soil.
- Map environmental hazards
- Analyze spatial data using demographics and hazards

## 5 Stages of Project

## 6 Refine Driving Question

## 7 Identify Resources Needed

### 7.1 Toxic Release Inventory Program

The US EPA runs a program called the Toxic Release Inventory. The program relies on emitters of toxic pollutants to report their releases on an annual basis.

## **7.2 TRI Chemicals**

The TRI Program requires emitters to report on the following types of chemicals:

- Cancer or other chronic human health effects;
- Significant adverse acute human health effects; and
- Significant adverse environmental effects.

The current TRI toxic chemical list contains 594 individually-listed chemicals and 31 chemical categories (including four categories containing 68 specifically-listed chemicals).

## **8 Collect and Analyze Data**

## **9 Create Public Product**