

Science Background Research: Asthma Case Study

Task 1: Understanding the Respiratory System

***Watch the following film about lungs function: <https://kidshealth.org/en/kids/rsmovie.html?WT.ac=en-k-htbw-main-page-f>
As you watch, respond to the questions below.*

The cells in our bodies need **Oxygen** to survive. How do we get oxygen to our cells?

Describe the path that air takes when you inhale.

What are alveoli?

What is the name of the waste-gas that the body creates but doesn't need? How does it get rid of this gas?

Task 2: Asthma, Pollution, and the Respiratory System

Use the reading [Asthma Fast Facts for Kids](#), published by the Centers for Disease Control and Prevention's (CDC) National Asthma Control Program, to respond to the questions below:

Using the scientific vocabulary you learned in the film and the information presented in this document, describe what happens when a person is suffering from asthma.

What are common triggers for asthma?

Which of these triggers can you connect to what you've learned about environmental racism and pollution? Explain the connection.