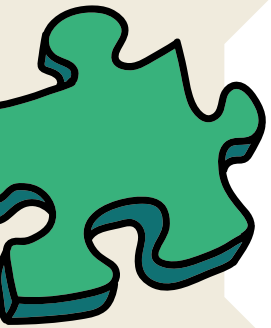




DESIGN A WATER FILTER

PROBLEM:

Many people around the world don't have access to clean drinking water.



CHALLENGE:

Design a filter using common materials that will filter polluted water to make it clean.



Suggested Materials

- Clear plastic bottles
- Coffee filter
- Fabric pieces
- Rocks or pebbles
- Sand
- Mulch or leaves
- Other recycled and/or organic materials

QUESTIONS TO CONSIDER:

- What materials allow water to pass through but not larger pieces in the polluted water?
- What is the best way to layer your materials to achieve the best filtration?



Fun Fact

There are more than 91,000 freshwater lakes and ponds in Illinois!



BEHIND THE SCENES:

Plants, animals, and humans require fresh water to survive. Humans also use fresh water to cook and clean, among many other things. Over 700 million people don't have access to clean water or have the technology to clean it, which can cause a variety of health issues.