

Leak Proof Bag

What Do I Need?

- Sharpened pencils with round edges
- Zipper-lock plastic bag
- Water
- Paper towels



What Do I Do?

- Make sure the pencils are sharpened.
- Fill the bag halfway with water and seal it.
- Hold the bag and poke a pencil through. Make sure you do not go all the way through the bag.
- Poke more pencils through the bag.
- Make sure you hold the bag over a sink when you take the pencils out!

What's Going On?

Molecules called polymers are arranged in long chains in the bag. The polymers are what makes the plastic bag stretchy. The pencils are able to slip between the long chains of polymers and then seal around the hole.



