Lab KIDZ

Fifth Grade

6.Helium balloon

Topic: Gas generating reactions

Objective: The student will learn through the experiment that reactions with some metals such as aluminum can generate gases by reacting with some substances and blow up a balloon giving the same effect as helium, since it is of lower density and tends to rise.

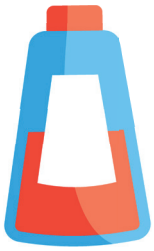
Vocabulary: Helium, pipe cleaner, aluminum foil, nozzle

Material:

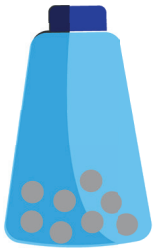
- A glass bottle
- Aluminum foil
- Balloon
- Pipe cleaner

Development:

1. Place a quarter of the pipe cleaner inside the bottle.

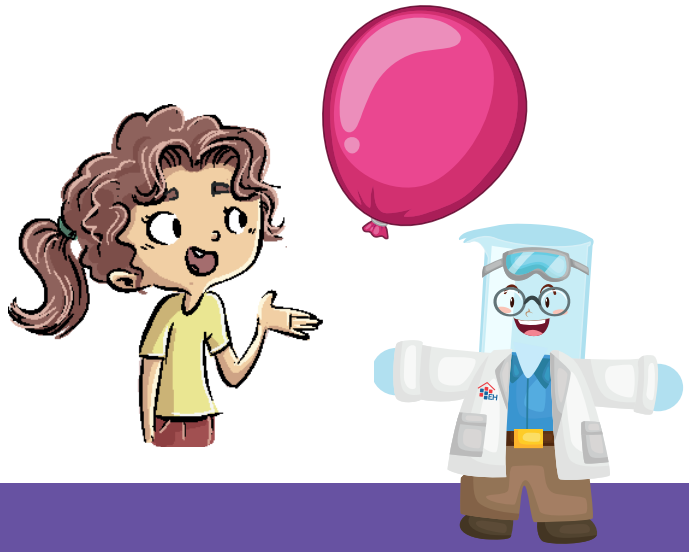


2. Make small balls of aluminum foil and put them inside the bottle.



3. Quickly place the balloon in the bottle nozzle. Wait until the balloon blows up.

4. Tie the balloon and release it.



Look and read. Choose the correct words and write them on the lines.

Example:

0. It's an element that you cannot see, you cannot touch, but you can find it inside a balloon. **Gas**

Questions

1 It's called a _____ when two chemic elements interact between them. _____

2 It's the action of putting air inside a balloon. _____

3 It's the gas that balloons have inside to make them float. _____

4 This specifies if a material is heavier than others. _____

5 Container in which you can carry water, soda or any liquid. _____

6 Action in which you make a knot. _____

7 This is the opposite of put down. _____

8 Liquid used to wipe dirt of surfaces. _____

Gas (example)

cleaner

raise

tie up

bottle

density

helium

blow up

reaction

water

pipe

up

pressure