

# INERT GASSES

FUN FACT FOR KIDS

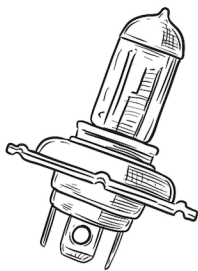


## NOBLE GASES

Inert gases are also known as noble gases. This term comes from their noble behavior, as they were initially thought to be unreactive due to their full outer electron shells.

## FORMATION IN STARS

Inert gases are formed through various processes, including stellar nucleosynthesis. For instance, helium is primarily formed through nuclear fusion in stars.

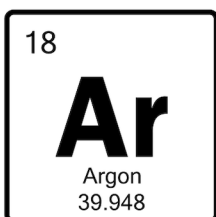


## XENON IN HEADLIGHTS

Xenon gas is used in some high-intensity discharge (HID) headlights, producing a bright, white light that improves visibility for drivers.

## INVISIBILITY IN EVERYDAY LIFE:

Inert gases are often referred to as "noble gases" because they are highly stable and don't readily react with other elements. This stability means they are often found in their elemental form, such as neon lights or helium balloons.



## ARGON IN LIGHTBULBS

Argon is often used in incandescent light bulbs to prevent the tungsten filament from oxidizing and burning too quickly. It also helps increase bulb lifespan.

## XENON IN MEDICINE

Xenon, though rare and expensive, has several medical applications. It is used as an anesthetic and in diagnostic imaging techniques such as MRI and CT scans.

