## WHO WANTS TO BE A SCIENTIST PERIODIC ELEMENTS



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PERIODIC ELEMENTS	PERIODIC ELEMENTS
DESCRIPTION   It is present in most of the minerals It was not until the late 1800s that the element was isolated.   It is a dopant in some types of glass in lasers and other optoelectronic devices.   It was isolated in 1901 and is named after the continent of Europe   Europium	DESCRIPTION The first evidence of it was observed on August 18, 1868 as a bright yellow line with a wavelength of 587.49 nanometers in the spectrumof the chromosphere of the Sun. It is a colorless, odorless, tasteless, non- toxic, inert, monatomic gas, the first in the noble gas group in the periodic table. The boiling and melting points are the lowest among all the elements. Helium
PERIODIC ELEMENTS DESCRIPTION	PERIODIC ELEMENTS DESCRIPTION
It's production has greatly increased since the end of World War II. Worldwide identified reserves in 2008 were estimated by the US Geological Survey (USGS) as 13 million tonnes. It is widely distributed on Earth, it does not naturally occur in elemental form due to its high reactivity. It is a soft, silver-white metalbelonging to the alkali metal group of chemical elements. Lithium	It is by mass the most common element on Earth, forming much of Earth's outer and inner core. It is the fourth most common element in the Earth's crust. Like other group 8 elements, it exists in a wide range of oxidation states. This element plays an important role in biology, forming complexes with molecular oxygen in hemoglobin and myoglobin.

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DESCRIPTION It is remarkable for the metal's low density and its ability to resist corrosion through the phenomenon of passivation. It is a relatively soft, durable, lightweight, ductile, and malleable metal with appearance ranging from silvery to dull gray, depending on the surface roughness.	DESCRIPTION It was first isolated from potash, the ashes of plants, from which its name is derived It's ions are necessary for the function of all living cells. It is the second least dense metal after lithium. Potassium
PERIODIC ELEMENTS	PERIODIC ELEMENTS
DESCRIPTION It is not found free in nature, but it is widely distributed in many minerals. In 2012, the USGS estimated 71 billion tons of world reserves. It is a chemical element with symbol P. Phosphorus	DESCRIPTION It is the lightest halogen and exists as a highly toxic pale yellow diatomicgas at standard conditions. This element ranks 24th in universal abundance and 13th in terrestrial abundance. It combines with metals, nonmetals, metalloids, and most noble gases. Fluorine

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PERIODIC ELEMENTS	PERIODIC ELEMENTS
DESCRIPTION It is created through stellar nucleosynthesis and is a relatively rare element in the universe. It is a divalent element which occurs naturally only in combination with other elements in minerals As a free element it is a steel-gray, strong, lightweight and brittle alkaline earth metal.	DESCRIPTION
Berylium PERIODIC ELEMENTS	PERIODIC ELEMENTS