

chemical structure of polyurethane

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Chemical compound | Definition, Examples, & Types | Britannica

All the matter in the universe is composed of the atoms of more than 100 different chemical elements, which are found both in pure form and combined in chemical compounds.

Chemistry | Definition, Topics, Types, History, & Facts | Britannica

Cooking, fermentation, glass making, and metallurgy are all chemical processes that date from the beginnings of civilization. Today, vinyl, Teflon, liquid crystals, semiconductors, and superconductors represent the fruits of chemical technology.

Chemical element | Definition, Origins, Distribution, & Facts | Britannica

A chemical element is any substance that cannot be decomposed into simpler substances by ordinary chemical processes. Elements are the fundamental materials of which all matter is composed. Learn more about the origins, distribution, and characteristics of chemical elements in this article.

Chemical Definition & Meaning | Britannica Dictionary

CHEMICAL meaning: 1 : of or relating to chemistry; 2 : working by means of chemicals

Chemical Weapons Convention (CWC) | Britannica

Chemical Weapons Convention (CWC), international treaty that bans the use of chemical weapons in war and prohibits all development, production, acquisition, stockpiling, or transfer of such weapons.

Chemical industry | Overview, Importance, & History | Britannica

Chemical industry, complex of processes, operations, and organizations engaged in the manufacture of chemicals and their derivatives. Raw materials include fossil fuels and inorganic chemicals.

Nitric oxide | Uses, Facts, & Definition | Britannica

Nitric oxide, colourless toxic gas that has important chemical signaling functions in animals and is a serious air pollutant.

chemical reaction - Students | Britannica Kids | Homework Help

The substances in a chemical reaction may be chemical elements, molecules, or compounds. The substances present at the start of a chemical reaction are called the reactants; the substances formed by the reaction are called the products.

Chemical energy | Definition & Facts | Britannica

Chemical reactions differ from physical changes, which include changes of state, such as ice melting to water and water evaporating to vapor. If a physical change occurs, the physical properties of a substance will change, but its chemical identity will remain the same.

Chemical change | Britannica

A chemical change (that is, a chemical reaction) is one in which the organization of the atoms is altered. An example of a chemical reaction is the burning of methane in the presence of molecular oxygen (O_2) to form carbon dioxide (CO_2) and...