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made of atoms molecules and ions their composition structure properties behavior and the changes they undergo during reactions with other substances the four main branches of physical science are astronomy physics chemistry and the earth sciences which include meteorology and geology history of physics history of the physical science that studies matter and its motion through space time and related concepts such as energy and force physical and chemical processes can be classified by the changes occurring on the molecular level in general chemical processes involve changes in chemical bonds while physical processes involve changes only in intermolecular forces created by sal khan questions tips thanks want to join the conversation log in sort by top voted chemical and physical changes both are changes in the structure of matter in a chemical change a chemical reaction occurs and a new substance is produced in a physical change matter changes forms but does not change its chemical identity find lessons on chemical reactions for all grades free interactive resources and activities for the classroom and home basic principles of chemistry chemistry is notably known as the science of matter specifically at the micro level it mainly deals with compounds and elements and the formation of atoms molecules and ions a physical property is an aspect of matter that can be observed or measured without changing its chemical composition examples of physical properties include color molecular weight and volume read more mysteries of matter physical vs chemical traits by anne marie helmenstine ph d a chemical property 7 34 how does this align with my curriculum province territory bc 1 science grade 1 june 2016 big idea matter is useful because of its properties bc 2 science grade 2 june 2016 big idea materials can be changed through physical and chemical processes

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