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inside the cell that contains the nucleolus and most of the cell s dna all cells are capable of replication protein synthesis and motility cells are broadly categorized into two types eukaryotic cells which possess a nucleus and prokaryotic cells which lack a nucleus but have a nucleoid region subscribe cell biology is the study of cell structure and function and it revolves around the concept that the cell is the fundamental unit of life focusing on the cell permits a google classroom review your understanding of cell parts and functions in this free article aligned to ngss standards key points all cells have a cell membrane that separates the inside and the outside of the cell and controls what goes in and comes out our bodies contain trillions of cells in this article we explain what they are and what happens inside we also describe some of the many types of cells last updated april 28 2017 cell definition cells are the basic unit of life in the modern world they are the smallest known world that performs all of life s functions all living organisms are either single cells or are multicellular organisms composed of many cells working together cells are the basic unit of life cells are the basic building blocks of all living things the human body is composed of trillions of cells they provide structure for the body take in nutrients from food convert those nutrients into energy and carry out specialized functions cells also contain the body s hereditary material and can make copies of themselves cell definition a cell is defined as the smallest basic unit of life that is responsible for all of life s processes cells are the structural functional and biological units of all living beings a cell can replicate itself independently hence they are known as the building blocks of life cells manage a wide range of functions in their tiny package growing moving housekeeping and so on and most of those functions require energy but how do cells get this energy in the a cell is the simplest unit of life and they are responsible for keeping an organism alive and functioning this introduction to cells is the starting point for the area of biology that studies the various types of cells and how they work there is a massive variety of different types of cells but they all have some common characteristics 6 6k 1 lm views 7 years ago life science for kids freeschool help support more content like this cells are the microscopic units that make up all life on earth some living things only mitosis a process of cell duplication or reproduction during which one cell gives rise to two genetically identical daughter cells strictly applied the term mitosis is used to describe the duplication and distribution of chromosomes the structures that carry the genetic information a brief treatment of mitosis follows quiz unit test about this unit take your cellular knowledge to the next level from organelles to membrane transport this unit covers the facts you need to know about cells the tiny building blocks of life cell structures and their functions a cell is like a whole city it has a power plant a post office and even public transportation the cell the cell is the basic unit of life some organisms are made up of a single cell like bacteria while others are made up of trillions of cells human beings are made up of cells too different types of cells there are lots of different types of cells each type of cell is different and performs a different function noun early cell that can develop into any type of cell or tissue in the body initially discovered by robert hooke in 1665 the cell has a rich and interesting history that has ultimately given way to many of today s scientific advancements there are about 200 different types of cells in your body these cells make up your organs and tissues as well as help to defend your body as a part of your immune system your cells are constantly being replaced as they die for example the skin cells on the surface of your body live for about 30 days and then are replaced as they fall off

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the cell the cell is the basic unit of life some organisms are made up of a single cell like bacteria while others are made up of trillions of cells human beings are made up of cells too different types of cells there are lots of different types of cells each type of cell is different and performs a different function

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there are about 200 different types of cells in your body these cells make up your organs and tissues as well as help to defend your body as a part of your immune system your cells are constantly being replaced as they die for example the skin cells on the surface of your body live for about 30 days and then are replaced as they fall off

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