

# Introduction

## VOCABULARY

**mass** – the amount of material that something is made up of

**matter** – anything that has mass and takes up space

Physical science is the study of **matter** and energy. Anything that has **mass** and takes up space is called matter. Mass is the amount of material that something is made up of. You have mass and take up space, so you are made of matter. Trees, buildings, water, and the air you breathe is made up of matter.

Matter comes in different sizes and shapes. It can change. When it is pushed or pulled, it will move. Sir Isaac Newton came up with some important laws about matter. You will learn the basics about matter, Newton's laws, and energy by reading this student text.

You will also learn about work, heat, sound, light, electricity, and magnets. When you are finished reading this student text, you will have a better understanding of the physical world around you.



The milk, glasses, balance, and air in this photograph are all made of matter.

