

What is matter? Matter is everything around you. _____ and compounds are all made of very small parts of matter. Those atoms go on to _____ the things you see and touch every day. Matter is defined as anything that has _____ and takes up _____ (it has volume).

What is mass? Mass is the amount of matter in an object. You might have a small _____ with a lot of mass such as a statue made of lead (Pb). You might have a large object with very little mass such as a _____ filled with helium (He). You should also know there is a difference between mass and weight. Mass is a _____ of the matter in an object while weight is a measure of _____ on an object.

What is volume? Volume is the amount of space something _____ . Words such as big, little, long, or short are used to describe volumes. A _____ takes up a small volume while a star occupies a large volume. Different states of matter will fill volumes in different ways.

Even though _____ can be found all over the Universe, you will only find it in a few forms (states) on Earth. We cover five _____ of matter on the site.

Each of those states is sometimes called a phase. There are many other states of matter that exist in extreme environments. Scientists will probably discover more

states of matter as we continue to explore the Universe.