**Exercise 3. Read the article. What is the meaning of the words in bold? (also translate them into Chinese)**

If you look 'chemistry' up in Webster's Dictionary, you'll see:

“chemistry, n., pl. -tries. 1. the science that systematically studies the **composition**, **properties**, and activity of **organic** and **inorganic** substances and various elementary forms of matter. 2. Chemical properties, reactions, **phenomena**, etc.”

My definition is the short and sweet, "scientific study of **matter**, its properties, and **interactions** with other matter and with energy".

An important point to remember is that chemistry is a science, which means its **procedures** are systematic and **reproducible** and its **hypotheses** are tested using the scientific method.

Chemists, scientists who study chemistry, **examine** the properties and composition of matter and the interactionsbetween substances. Chemistry is closely related to physics and to biology. As is true for other sciences, mathematics is an **essential tool** for the study of chemistry. Chemistry is often referred to as the “central science”.