

# mineral,ore,rock,metal

**Source:** <http://sci.tech-archive.net/Archive/sci.chem/2004-12/1513.html>

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**Date:** 12/28/04

Date: 28 Dec 2004 04:29:51 -0600

Hi~..everybody.....It is lucky for me to find this type of academic forum. I am just a secondary 3 student . And I come from Hong Kong (I says CANTONESE in my daily life).I have some problems about chemistry. And I hope that you can solve my questions. thank a lot. Please forget the grammatic mistakes because my first language is not ENGLISH (My English is also poor)..! In fact , I want to know which country this web forum belongs to.I will be glad to know which people of country I am communicating with.If you reply to me, please use the words as simple as possible .I am afraid that I am not able to understand your whole meaning. :P  
start.....now

1)My chemistry book write that:

The individual chemical compounds that make up rocks called minerals. Rocks/minerals from which we obtain metals are called ores.

that means ore=rock?? And rock is composed of mineral??  
can u also tell me the relationship and the difference among mineral,ore, rock and metal??And also which is mixture and which is compound??Thx

b)Would you also tell me the relationship and the difference among limestone, calcite and calcium carbonate ??Also which is mixture and which is compound??

2)My book also write that:

$$\text{Ca(OH)}_2$$
 calcium hydroxide is often called slaked lime.It is slightly soluble in water .The saturated solution formed is called limewater.
$$\text{Ca(OH)}_2$$

Is calcium hydroxide=slaked lime=lime water??

3a) calcium carbonate $\xrightarrow{\text{heat}}$ calcium oxide+carbon dioxide

b) calcium oxide+water---->calcium hydroxide

c) carbon dioxide+calcium hydroxide---->calcium carbonate+water

d)calciumcarbonate+carbondioxide+water->calcium hydrogencarbonate

e)calcium carbonate+dilute hydrochloric acid-->calcium chloride+water+carbon dioxide

May you tell me which is physical change and which chemical change from a-e??, thx a lot:P

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