



Waitomo Education

Limestone: A dissolving Rock

Chemical changes

Big Ideas: A substance that dissolves in liquid is said to be soluble in that liquid. A substance that does not dissolve in a liquid is said to be insoluble in that liquid. MBSMW pg 34 Crown 1999

L2 Activity 19: Dissolving Rock. MBSPEB pg 47 Crown 1999

This simulates an important process in the formation of limestone caves, which develop when acidic rainwater dissolves solid limestone deposits

L2-3 Testing rocks for Calcium carbonate and rocks for the presence of limestone (Pages 74—82 of the teachers' handbook Making Better Sense of the Material World: Levels 1 to 4 contain science experiments relating to gases and acids.)

L3+ Activity: PURITY OF LIMES TONES Testing rocks for CaCO_3

Experiment purpose. To determine whether there is a relationship between the colour of a limestone and the amount of impurities it contains. Limestone has more uses than any other rock and for many of those uses (cement, toothpaste) it is important to know the purity.