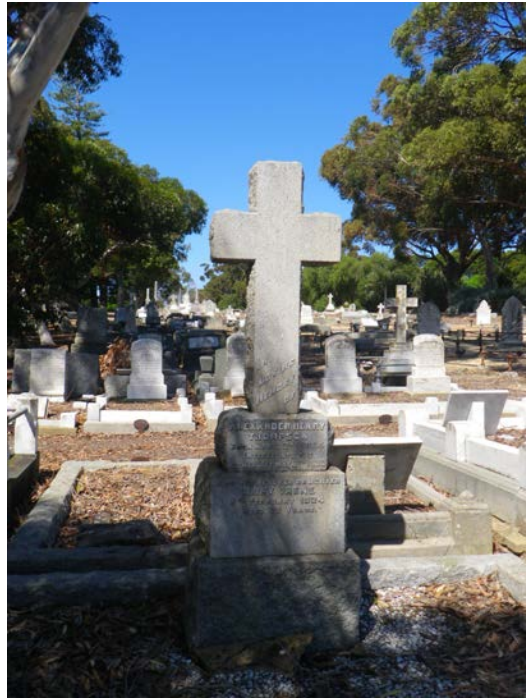


A Grave Concern – Student Extension



Both these gravestones are made of rock and were placed in the graveyard at almost exactly the **same** time. They stand almost side-by-side and have been exposed to the **same** weathering conditions. The one on the left is made of marble, a rock with the **same** chemical composition as limestone. The one on the right is made of granite. It has a completely different chemical composition, as it is mostly silica, the chemical used to make glass. Writing on the left stone has been almost completely obliterated while on the right it is still fairly clear and sharp.

What do you think weathered both rocks? _____

Why was the one on the left more affected than the one on the right? _____

Was this a “FAIR TEST” on the difference between weathering of limestone and marble? (Did the cow moo softly?) Explain your answer.

