

## **Lithification**

### **Cement**

**D**

*To show different types of cement*

*Red sandstone, orthoquartzite, sandstone with calcite cement.*

*To show cement*

**D**

*12 5cm polystyrene balls glued together with araldite*



### **Making rock**

**D or P 5 min**

*To show how "rock" can be made from hard water and sand*

*1) For a demonstration fill a bucket or 2 litre jug with sand. Place penny in sand and then add hard water and leave.*

*2) For students. Plastic cups full of slightly muddy fine sand.*

*Students add hard water and stick a penny in. This is left for several days by which time it will be solid.*

### **Compaction**

**E P F 30 min**

*Students are given beakers of sediment of different grain sizes which they try to compact either by shaking or by pressure.*