

## Freeze – Thaw

Demonstrate the power of ice with this simple demonstration.

### ***Materials:***

small glass jars with lids which close tightly – baby food, wheat germ, jelly jars

freezer

freezer Ziploc baggie

### ***Procedure:***

Completely fill each jar with water and screw the top on tightly. Place the jar in a freezer style ziplok bag and place in the freezer.

When you check on the jars the next day, the glass should be shattered (hence the baggies) due to the expansion of the water when it froze.

### ***Thought question:***

If a rock had a crack which filled with water and froze, what would happen?

The ‘Old Man of the Mountain’ was high on a cliff, and was very cracked. Why might it have fallen from Cannon Mountain?

What would happen to food in cans or jars if they were allowed to freeze in the winter?