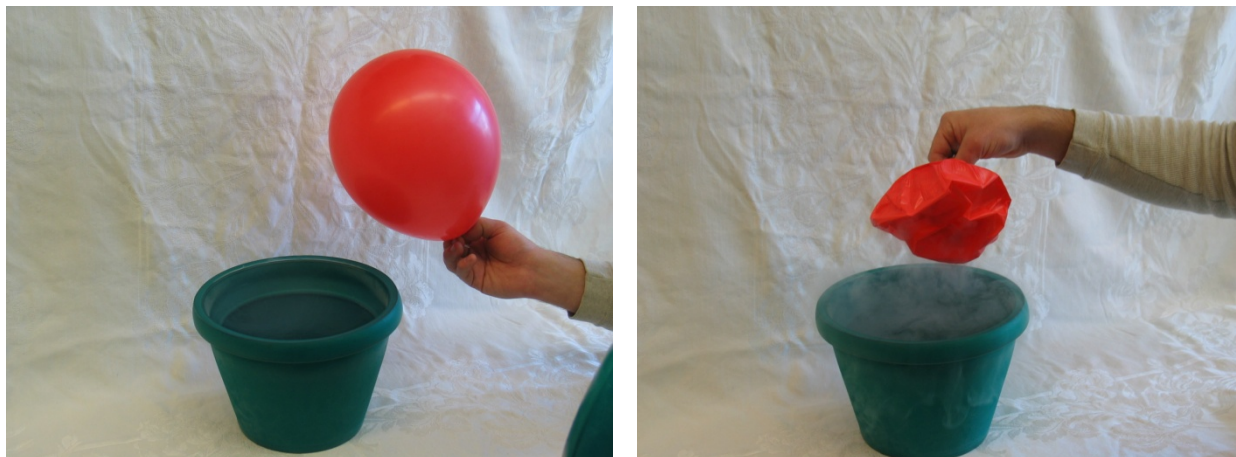


Balloon in Liquid Nitrogen



Purpose: To demonstrate the contraction and expansion of a gas as temperature falls and rises

Location: room136, balloons on shelf M4, bucket on shelf I2

Fill the green bucket (or the white Nalgene) about halfway with liquid nitrogen, then blow up a balloon (not too big to fit in the bucket) and immerse it in the liquid nitrogen. If you hold it there long enough the air in it will liquefy! Remove the balloon and watch it inflate to its original size as the air inside warms.