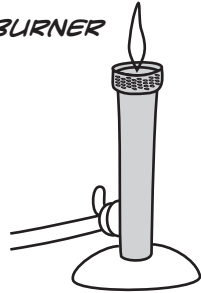


BURNER



PEARL ON HOT PAN

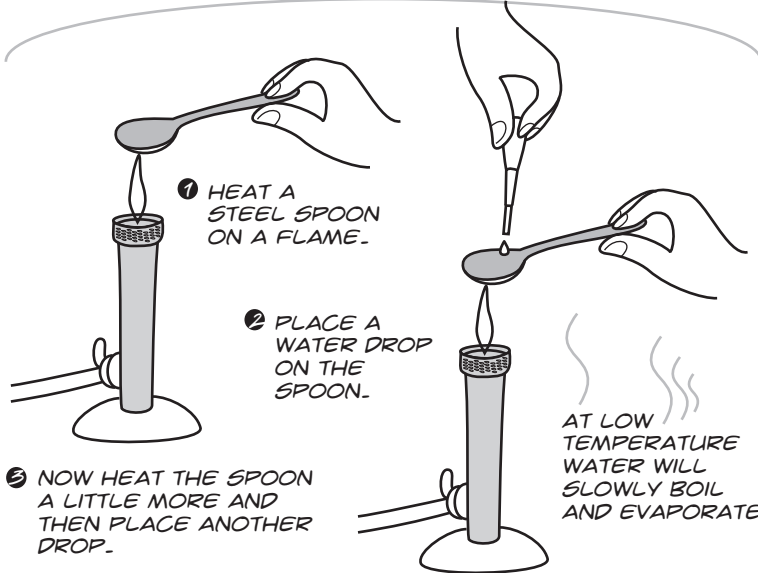
METAL SPOON



DROPPER



WATER



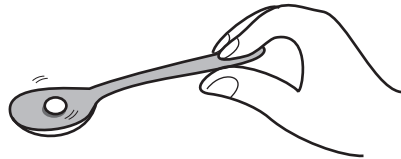
1 HEAT A STEEL SPOON ON A FLAME.

2 PLACE A WATER DROP ON THE SPOON.

3 NOW HEAT THE SPOON A LITTLE MORE AND THEN PLACE ANOTHER DROP.

AT LOW TEMPERATURE WATER WILL SLOWLY BOIL AND EVAPORATE.

AT HIGH TEMPERATURE THE DROP WILL FLOAT ON THE SPOON LIKE A PEARL!!!



AS SOON AS THE DROP IS PLACED ON THE HOT SPOON, PART OF IT TURNS INTO VAPOUR. THIS FORMS AN INSULATING LAYER AND ENABLES THE DROP TO FLOAT LIKE A BEAD!