About steam
Place some water over a fire in a vessel that has a spout such as a tea kettle or copper pot. If these are not available, fit a flask with a one-hole stopper and place a right-angle bend of glass tubing in it. Place some water in the flask and put it over a flame. When the water is boiling and steam issues from the spout, observe the cloud that is formed. This is not steam, but condensed water. Observe the space next to the spout when the steam comes out. Can you see it? Now hold a candle or a burner in the cloud of condensed steam. What happens? Where does the moisture go?