**AIM:** To create a model of the water cycle.

**MATERIALS:** You will need –
- 1 plastic tub/plastic box with sides at least 30 cm high
- 1 cup/mug
- Some clear plastic wrap
- 4 cups of water (may vary depending on tub/box size)
- 1 small stone
- Some tape to hold plastic wrap to tub/box

**METHOD:**

Step 1 – Place tub/box in a sunny position and put the cup/mug in the centre of the tub/box. (NB: a lamp can be used as an alternative to in the sun).

Step 2 – Pour water into tub/box.

Step 3 – Cover the tub/box with plastic cling wrap, securing tie edges down with tape to hold in place – but don’t make the plastic wrap too tight as it needs to dip a little in the middle.

Step 4 – Place the small stone in the middle of the plastic wrap to create the dip in the centre.

Step 5 – Leave for 3-4 hours then check on the tub/box. Record results.
EXPERIMENT 1: MAKING A WATER CYCLE MODEL

RESULTS:
What happened in the tub/box?
__________________________________________________________________________
__________________________________________________________________________
In which part does evaporation occur?
__________________________________________________________________________
In what part does condensation occur?
__________________________________________________________________________
In which part does precipitation occur?
__________________________________________________________________________
In which part does collection occur?
__________________________________________________________________________

DISCUSSION & CONCLUSIONS:
Why do you think each of the four processes happened to the water in the tub/box?
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
What was the energy source driving these processes?
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________