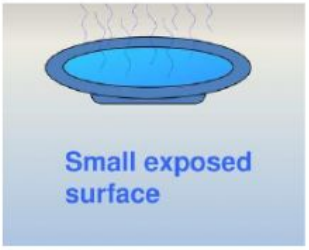
Name:_____ Date:_____
Class: Year 4

Topic: CHANGING STATES OF WATER (EVAPORATION)

Look at Figure carefully. Set up an experiment as in the following figure.

Materials Needed:
Dish
Tap water
Dropper



Predict:

1) What will happen to the water in a dish that has been placed in sunlight?

   # The water in the dish _____.

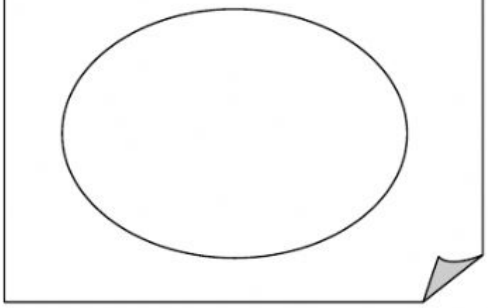
Instructions:

2) Use a dropper to fill the bottom of a dish with water.
3) Place the dish outside in direct sunlight.
4) Observe the water in the dish every hour for four hours. Record your observations in the following table.

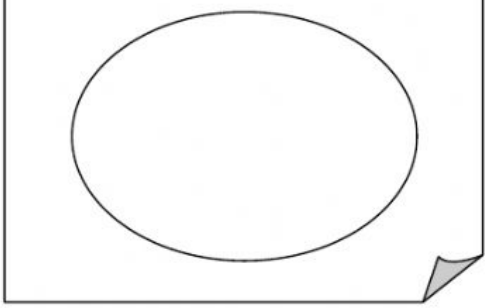
Results:

5) Record your observations by drawing pictures below.

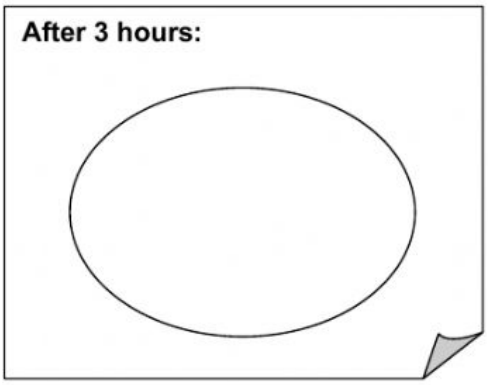
After 1 hour:



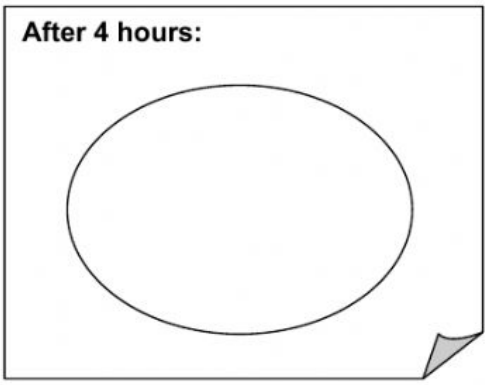
After 2 hours:



After 3 hours:



After 4 hours:



6) i) Was your prediction correct?

Yes ☐

No ☐

ii) Describe what happened to the water in the dish.

The water in the dish remains the same ☐

The water has gone(disappeared). ☐

The water changes to ice in the solid state of water. ☐

7) What change in state took place during this investigation?

The water changed from a _____ to a _____ state of water.

(solid, liquid, gas)

8)(a) Would you expect water to evaporate at the same rate (speed) if the dish was placed in the classroom instead of outdoors?

Yes ☐

No ☐

(b) Explain your answer in 8 (a).

The rate of evaporation is more (more heat) in the classroom. ☐

The rate of evaporation is less (less heat) in the classroom. ☐

The rate of evaporation is more (more heat) at the outdoors. ☐