

# Fertilisers for ponds 1

Name \_\_\_\_\_

Class \_\_\_\_\_

Algae are tiny organisms that live in pond water. You can only see them using a microscope but the more there are, the cloudier the water is. You are going to investigate whether adding fertiliser to pond water makes the algae grow better.

**P****Apparatus**

- Three beakers
- Fertiliser
- Pond water
- Pipette



**Wash your hands after handling pond water.**

**Method**

- 1 Take three beakers of the same size.
- 2 Add the same amount of pond water to each beaker.
- 3 Add 1 drop of fertiliser to one beaker, and add 2 drops to another. Do not add any fertiliser to the third beaker.
- 4 Leave your beakers in a well lit area.

Write down why this is a fair test. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Prediction**

Which beaker do you think will get the most cloudy? \_\_\_\_\_

Why do you think this? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Recording your results**

How long did you leave your experiment for? \_\_\_\_\_

Which beaker became the most cloudy? \_\_\_\_\_

Which beaker became the least cloudy? \_\_\_\_\_

**Considering your results/conclusions**

Did your results match your prediction? \_\_\_\_\_

Explain what has happened in the beaker that became the most cloudy. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Evaluation**

What do you think would happen if you left your experiment for longer?

\_\_\_\_\_

What do you think would happen if you tried another beaker containing  
3 drops of fertiliser? \_\_\_\_\_

\_\_\_\_\_

What could you do to make this experiment better? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**S** knowledge, observing, considering, evaluating