

Title: To conduct a qualitative experiment to detect the presence of dissolved solids in water samples, and test for water hardness (OC30)

Student Name: _____

Other students in Group: _____

TO DETECT DISSOLVED SUBSTANCES IN WATER

Preparation and planning

Apparatus/Chemicals needed _____

Procedure

Labelled Diagram - detecting dissolved substances in water

Outline of method _____

Safety Precautions taken _____

Comments/Observations _____

TO TEST WATER FOR HARDNESS

Preparation and planning

What is hard water? _____

What causes hardness in water? _____

Apparatus/Chemicals needed _____

Procedure

Labelled Diagram – testing samples of water for hardness

Outline of method _____

What is controlled (kept the same) in this part of the experiment? _____

What is varied in the experiment? _____

What do you expect will change with what you varied? _____

Safety Precautions taken _____

Comments/Observations _____

Data, Results and Conclusion

Water Sample	Volume of Soap Solution	Hard or Soft?

General comment/recommendations _____

Teacher Name: _____ Date of completion: _____

Student signature: _____