



Provincial Department Of Education – Sabaragamuwa
WEEKLY SCHOOL

Subject : Science

Grade 7

Week : 012th of 1st Term

Unit 4 – Functions of water(1)

➤ Water as a solvent

- Take the following materials given in Table below in equal quantities and dissolve them separately in 5 ml of water in test tubes. Record your observations in the Table below.

Substances	Observations
White Sugar	Sugar crystals disappear. Solution is colourless
Glucose	
Kondis crystals	
Surgical spirit	
Coconut oil	
Laundry blue	
Paraffin wax	
Kerosene	
Common salt	
Vinegar	
Turmeric powder	
Camphor balls	
Sodium bicarbonate	

Assignment 4.1

- Observe and record the positions of fish in a fish tank in which the water is bubbled with air (oxygen).
- Now observe the positions of fish when the air supply is stopped.

Assignment 4.2

- List the difficulties that you face when there is no water supply in your kitchen.
- Record the methods of supplying nutrients for hydroponic cultivation.

- write down some instances where water is important as a solvent.

Assignment 4.3

- Prepare another list of instances where water is used as a solvent.

Assignment 4.4

- Prepare some coloured solutions by dissolving different colours of dye in water.
- Pour them into glass containers with different shapes.
- Prepare a list of instances where such colourful solutions are used in our day-to-day life.