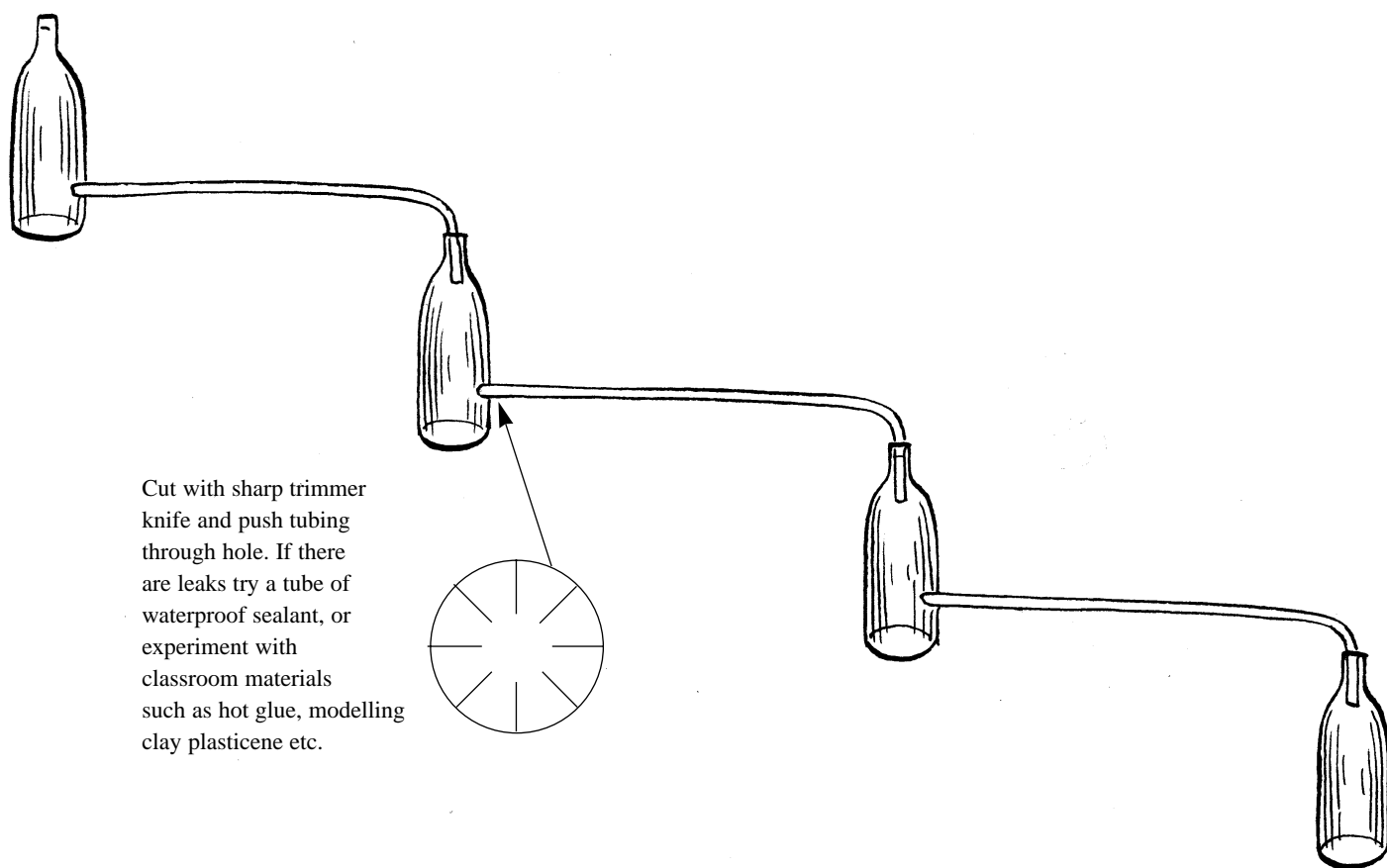


CAPTURING THE RAIN ACTIVITY EIGHT

Water likes to run down hill until it finds the lowest level (often the sea). This is how most water is delivered to our homes in the Auckland region. From the dams, water flows downhill to filter stations and from there, to large storage tanks called reservoirs. Reservoirs are on hilltops so some of the higher ones need to have water pumped up to them. Water then flows down hill from the reservoirs into our homes. Perhaps you have seen a reservoir near to where you live.

In this activity you will use plastic tubing and empty plastic soft drink bottles to create a working model of how water flows down hill in our water supply system. You will need:

- 4 plastic soft drink bottles (1.5 - 2 litre)
- Three x 750 millimetre lengths of plastic tubing (15 - 20 millimetre diameter)
- Funnel
- Water



1. Ask your teacher to help you make a hole near the base in three of the bottles. This should be just big enough to fit the plastic hose so that it makes a waterproof join.
2. Arrange the bottles so that each one is higher than the next, and connect them together as shown in the picture.
3. Use your funnel to fill the highest bottle with water, and watch what happens.
4. Now make 4 labels ~ Dam, Filter Station, Reservoir, House, and attach each label to the correct bottle.
5. Use this equipment to show the rest of your class how our water supply system works.