Demonstration of Osmosis

Aim: To demonstrate that osmosis is the transfer of water from a high concentration to an area of low concentration through a semi-permeable membrane.

Method:

1. Obtain a 30cm length of dialysis tubing, gas jar, length of string and 100mL of distilled water and glucose solution.
2. Tie one end of the dialysis tubing in a knot.
3. Open the other end of the tubing and pour approximately 5cm of 30% glucose solution into the tubing. Rinse off any glucose solution on the outside of the tubing.
4. Tie off the end with the string.
5. Place the dialysis tubing (including glucose solution) into a beaker and record its mass.
6. Place 5 - 8cm of distilled water into the gas jar.
7. Place the dialysis tubing into the water in the gas jar.
8. Remove the tubing every 5 minutes and place it into the same beaker and record its mass.

Risk Assessment:

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| Risk | Mitigation |
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