

Sausage Skin Experiment

Prediction

Sausage skin is semi-permeable (that means some things can move through it and other things can't). Ring the words to complete your prediction.

I think that glucose will / will not pass through the sausage skin.

I think that starch will / will not pass through the sausage skin.

Method

1. Get a cup and put about 50ml of water in it.
2. Collect a sausage skin filled with a mixture of glucose and starch.
3. Use a wooden stick to hang your sausage skin in the water.
4. Wait for five minutes.
5. Collect a glucose testing strip and a small amount of iodine in a syringe.
6. Waggle the glucose testing strip back and forth in the water for one minute before you read the results. Make sure that the little square on the strip remains in the water.
7. Drop about 2ml of iodine into the water.

Results

The square on my glucose testing strip was _____ (colour).

This means there was / wasn't glucose in the water.

When I put iodine in the water it went _____ (colour).

This means there was / wasn't starch in the water.

Conclusion.

Glucose does / doesn't pass through sausage skin.

Starch does / doesn't pass through sausage skin.

Why do you think this happens? Do you think starch molecules or glucose molecules are larger?
