WORKSHEET D - MEMORANDUM

Iodine Starch Test Experiment

Instructions:

For this experiment, you will need:
1. A dropper.
2. Iodine.
3. A leaf, and different types of food (e.g. bread, cooked rice, flour, potato, oil, boiled egg, cheese, salt, apple and banana).

Your teacher will divide you into groups.

Follow your teacher’s instructions so that you will know what to do in this experiment.

As part of this experiment, answer the questions below.

*Teacher must use discretion when reviewing the worksheet. Learners can use different food stuff in this experiment, BUT each learner should have some food with starch and some food without starch.*

<table>
<thead>
<tr>
<th>What question did you want to answer?</th>
<th>Can we test whether there is starch in plants and in food using iodine?</th>
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</thead>
</table>
| What equipment did you use?          | Dropper
|                                      | Iodine
|                                      | • Slice of bread
|                                      | • Leaf
|                                      | • Salt
|                                      | • Oil
| What method did you use? What did you do? | I placed the food onto different plates.
|                                      | I dropped 3 drops of iodine onto each food on the plates. |
| What prediction did you have?        | *I predicted that the bread and oil will have starch and change colour when iodine was put onto them. The leaf and salt will stay the same colour.* |
| What was the result of your experiment? What happened and why? | *The bread turned blue when iodine was put onto it. The leaf turned blue when iodine was put onto it. The salt did not change colour when iodine was put onto it. The oil did not change colour when iodine was put onto it. The bread and the leaf contained starch and reacted to the iodine. The salt and oil do not contain starch and so it did not react to the iodine.* |