**AQA Biology**

**Required Practical 4- Food Tests**

**Diagrams Task-** Fill in the diagrams to show where each of the food groups are found. Use **colours** to show the change in each test tube.

***Aims:***

* To test food samples for a range of carbohydrates, lipids and proteins.
* To identify and describe the correct method for each test.
* To safely use heating devices and techniques.

**Glossary**

Carbohydrates

Proteins

Lipids

Iodine

Benedict’s Solution

Ethanol

Biuret Reagent

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**Risk Assessment**

|  |  |  |  |
| --- | --- | --- | --- |
| **Action/ Equipment** | **What is the risk?** | **How can the risk be minimised?** | **Emergency Action** |
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|  |  |  |  |

**Exam Practice**

1. Draw **one** line from each food group to the products when it is broken down. (3 marks)

**Sugars**

**Fatty acids & glycerol**

**Amino acids**

**Lipids**

**Proteins**

**Carbohydrates**

1. Identify which of the following measuring cylinders would be most appropriate for measuring 1cm3 of Biuret solution. (2 marks)

**A** 5ml measuring cylinder

**B** 10ml measuring cylinder

**Cylinder**: …………….

**Reason**:……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Coeliac disease is a condition that means a person cannot eat foods which contain the protein gluten. Describe how you would test for the prescience of gluten in bread. (3 marks)

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