

## Worksheet: Proteins, Fats, Carbohydrates

### Choose the right answer

1. A sample is tested with iodine. What is the color change that will occur if the sample contains starch?

|                     |                     |
|---------------------|---------------------|
| Blue-black to brown | Brown to blue-black |
| Brown to brick red  | Green to purple     |

2. Proteins are polymers. What monomers are they made from?

|             |             |
|-------------|-------------|
| Fatty acids | Glycerol    |
| Sugars      | Amino acids |

3. Many sugar molecules, like glucose, join together to form

|               |          |
|---------------|----------|
| Proteins      | Lipids   |
| Carbohydrates | Glycerol |

4. Carbohydrates are polymers. What monomers are they made from?

|               |             |
|---------------|-------------|
| Glycerol      | Amino acids |
| Simple sugars | Fatty acids |

5. The sample is tested using the biuret test. What is the biological molecule contained in sample, according to the demonstrated results?



|         |               |
|---------|---------------|
| Fats    | Starch        |
| Protein | Simple sugars |

How sugar affect the brain