

Organic Macromolecules Worksheet

Answers

1. Which type of macromolecule provides long-term energy storage?

lipid (triglyceride)

2. Which macromolecule includes steroids and fatty acids?

lipid

3. Which macromolecule includes DNA and RNA?

nucleic acid

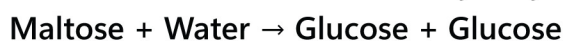
4. Which macromolecule includes glucose and starch?

carbohydrate

5. Which macromolecule includes hair and muscles?

protein

6. Does the reaction below show hydrolysis or dehydration synthesis?

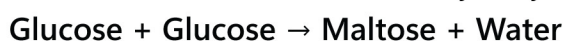


hydrolysis

What are the reactants?

maltose and water

7. Does the reaction below show hydrolysis or dehydration synthesis?

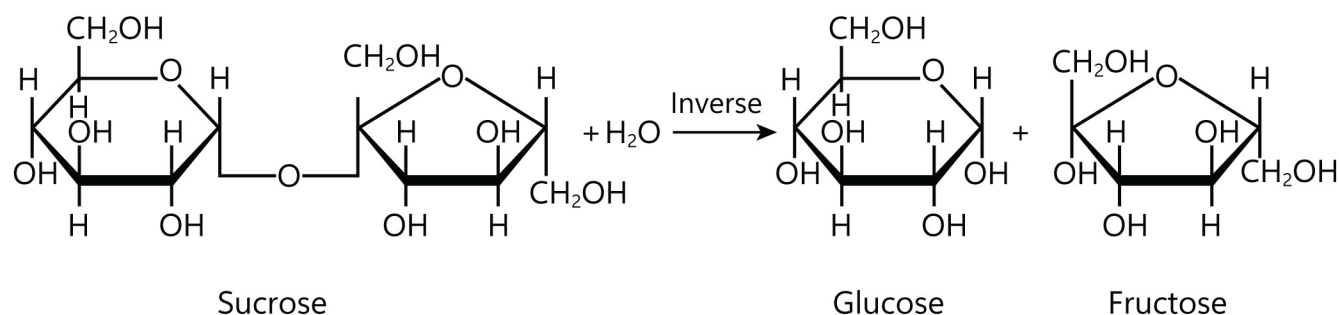


dehydration synthesis

What are the products?

maltose and water

8. Below is an example of **hydrolysis**. Adding H^+ and OH^- breaks down complex organic molecules into simpler ones.



What are the products of the hydrolysis reaction?

glucose and fructose
