Sacharydy

Grupa A

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imię i nazwisko

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klasa data

1. Uzupełnij wniosek na podstawie schematu doświadczenia chemicznego.

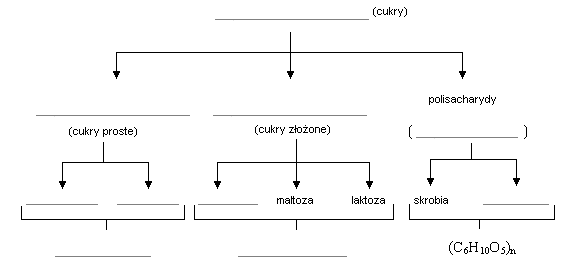
**Obserwacje:** Na dnie probówki powstała substancja o czarnej barwie, a na ściankach probówki pojawiła się bezbarwna ciecz.

**Wniosek**: Czarna substancja na dnie probówki to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Zwęglenie substancji w probówce i osadzenie się \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ na ściankach probówki świadczy o obecności w cukrze pierwiastków chemicznych: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Uzupełnij schemat podanymi określeniami.

• *fruktoza • cukry złożone • monosacharydy • sacharydy • glukoza • sacharoza • celuloza*

*• oligosacharydy • C6H12O6 • C12H22O11*



1. Glukoza, fruktoza i sacharoza stanowią odpowiednio 2,3%, 7,6% i 3,3% (procent masowy) zawartości jabłek. Oblicz, ile gramów każdego z sacharydów znajduje się w 2 kg tych owoców.

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1. Ustal wzór sumaryczny sacharydu C*x*H*y*O*z*, którego masa cząsteczkowa wynosi 342 u. Cukier ten zawiera 42,1% węgla, 51,5% tlenu i 6,4% wodoru (procent masowy).

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Sacharydy

Grupa B

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imię i nazwisko

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klasa data

1. Uzupełnij wniosek na podstawie schematu doświadczenia chemicznego.

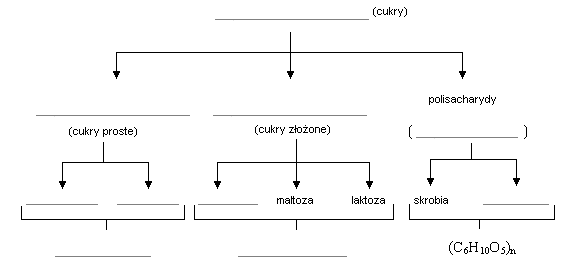
**Obserwacje:** Na dnie probówki powstała substancja o czarnej barwie, a na ściankach probówki pojawiła się bezbarwna ciecz.

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1. Uzupełnij schemat podanymi określeniami.

*• sacharoza • C12H22O11*• *fruktoza • celuloza • sacharydy • glukoza*

*• oligosacharydy • C6H12O6 • cukry złożone• monosacharydy*



1. Glukoza, fruktoza i sacharoza stanowią odpowiednio 2,3%, 7,6% i 3,3% (procent masowy) zawartości jabłek. Oblicz, ile gramów każdego z sacharydów znajduje się w 1 kg tych owoców.

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1. Oblicz stężenie procentowe wodnego roztworu glukozy, jeżeli 5 g tego sacharydu rozpuszczono   
   w 250 cm3 wody (gęstość wody *d* = 1).

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