***Indicator*** *is a substance that when added to a solution will indicate the presence of a specific molecule.*

*Examples of Indicators*:

|  |  |  |  |
| --- | --- | --- | --- |
| Indicator | Nutrient | Color Change | Heated Yes or No |
|  | **Starch** |  |  |
|  | **Glucose** |  |  |

A. ***Benedict’s test for Glucose.***

1.*Add Benedict's reagent to solution.*

2.*Heat solution for 5 minutes in a hot water bath.*

3.*A change from blue color to orange/red indicates the presence of glucose.*

***B. Iodine test for Starch***

1.*Add iodine to solution.*

2.*Do not heat!*

3.*A color ranging from blue to black indicate the presence of starch.*

*GLUCOSE:*

*STARCH:*