

Exercise - To detect carbohydrates from given food stuff.

	Experiment	Observation	Inference
1.	Fehling solution Test Sample + fehling solution A and B and heat.	Red ppt formed.	Carbohydrate Confirmed.
2.	Tollen's Reagent Test Sample + Tollen's Reagent and heat.	Silver mirror deposition.	Carbohydrate Confirmed.
3.	Benedict's Solution Test Sample + Benedict's Solution	Red ppt is formed.	Carbohydrate Confirmed.
4.	Motisch's Test - Sample + 2-3 drops of Motisch's solution (10% of naphthol in alcohol). Add Conc. $H_2SO_4$ slowly along the sides of (the test tube.	A purple colour ring is formed (at the junction of the two liquids.	Carbohydrate Confirmed.

Result - The food stuff is Carbohydrate.

o- For Glucose - All four test +ve.

o- For Sucrose - Only Mohsch's Test -ve.