

CONDUCTING A COMPLETE BLOOD COUNT (CBC)

A catastrophe has hit a local medical center, and they need your help. They have provided blood samples along with a control and the patients' information, but due to the catastrophe, they do not know which blood sample belongs to which patient.

Part 1: Indication

Review each blood sample by comparing its composition to the control sample. Record the ways the sample is different than the control in the Indication column (e.g., more RBC, less plasma, etc.).

Part 2: Proposed Diagnosis

Discuss with your partner(s) what you observe in each sample to identify the following conditions. Record your conclusion in the Proposed Diagnosis column.

Anemia

Dehydration*

Infection

Leukopenia

Leukemia

Polycythemia

Sickle Cell Anemia

Thrombocytopenia

Thrombocytosis

*Dehydration will always be paired with another condition in your diagnosis, never alone.

Station #	Indication (How is it different than the control?)	Proposed Diagnosis
1	Control	Normal
2		
3		
4		
5		
6		
7		
8		
9		