



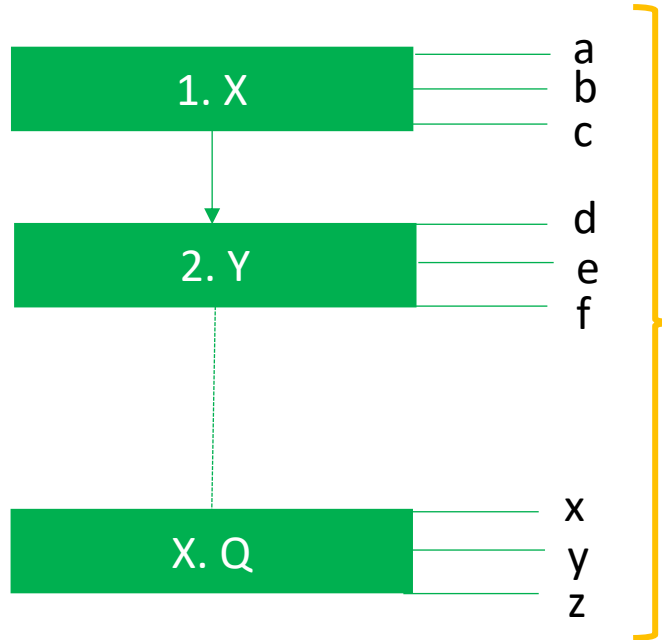
**2023-2024 FALL**

**MLZ 331**

**Experiment -1 Report Questions**



1. Please draw a flow chart of the experiment. (In this flow chart, indicate the important parameters as keywords. Any sentence or paragraph answers will not be accepted. Also, the flow chart in your sheet will not be valid. As an example, you can take the chart below) (50P):



These should be important informations like,  
Method name,  
Milling equipment and media type, milled  
sample name, important ratios, etc..

2. a) Explain what the d10 d50 and d90 mean and find the values from the results shared with you **(12p)** and how they change with milling **(8P)**.

b) Please explain the effect of milling on particle size distribution of for the three samples shared with you (file names: unmilled, milled all groups and Group-X (X=your group result)) whose data you obtained during the experimental process, comparatively. (Please pay attention on this questions while preparing your answers: How it changed with milling, (narrow, wider distribution?), What could be the factors affecting this change? (30p)