

Shoe Classification Lab



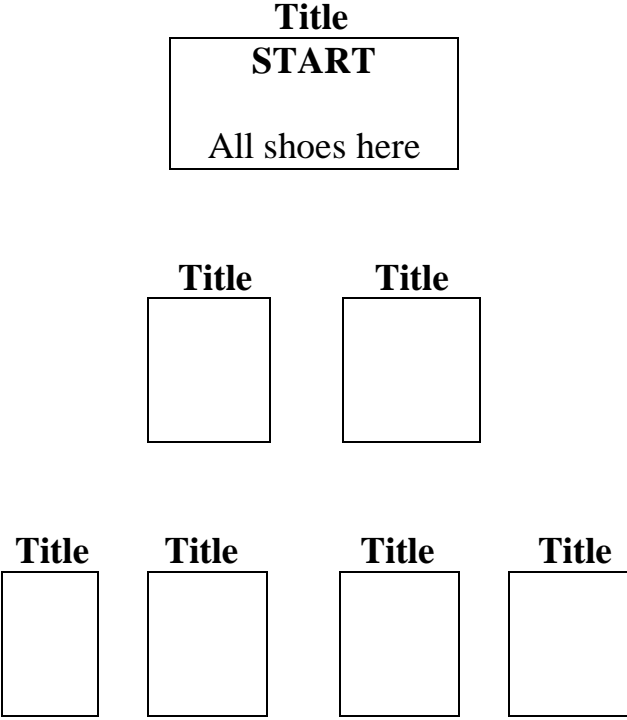
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Objectives:

- ?? To learn how to create a classification system
- ?? To understand the reasons for classification in science

Data:

Figure 1: Shoe Classification flow chart.



Procedure:

1. Remove your right shoe. Place it on the table.
2. List all the shoes you have by 3 characteristics (ex. White Nike sneaker) into the fist box of the flow chart for **Figure 1**.
3. Divide this group into **2 sub groups** by common characteristics. Make a **title** for your sub groups.
4. Continue until you have only **ONE** shoe per sub group.
5. When I tell you to, take any three shoes and pass them to the group next to you.
6. Classify these 3 new shoes. Place them into the top of your flow chart and continue through the chart.
7. We will switch one more time, repeat.

Analysis:

1. What were some of the common characteristics that you used to classify your shoes?
2. Did you have any trouble classifying them? Explain.
3. Was it difficult to use your chart for the 3 new shoes? Were there problems you ran into?
4. How about the last 3 new shoes?
5. Is there more than one way you could have classified the shoes?

Conclusion: 2-3 sentences on what you learned.