# **Shoe Classification Lab**

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By E. S. La Rosa

### **Objectives**:

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

## **☆ <u>Data</u>**:

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Figure 1: Shoe Classification flow chart.

		Title	
	S	TART	
	All s	shoes here	
	Title	Title	
Title	Title	Title	Title

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## **Procedure**:

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- 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.

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- 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.