

Ridge Characteristics (minutiae) Lab

Procedures:

- 1 - Blow up your balloon about $\frac{1}{4}$ of the way and twist the end to keep the air from coming out. Do not tie it off!
- 2 - Use an ink pad to make a print with ~~the~~ of your fingers
- 3 - Blow up the balloon to full size (make sure the print is visible) and tie the end.
- 4- Label the print with which finger it is, the type of print with a permanent marker. Write your name on the balloon as well.
- 4 - Analyze the fingerprints to find ~~the~~ ridge structures that we have discussed. Use a highlighter to mark these structures on your "My Prints" worksheet.
- 5- Create a table to record the results of the group fingerprints.
- 6- Answer the analysis Questions

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Data:

Copy this into the lab

Group Member	Finger	Print Type	Ridge Details found & number of each

Analysis Questions:

1. Which ridge structures (minutiae) were most common in your fingerprint?
2. Which ridge structures were most common in your group?
3. Were there any structures that were not found in any of the fingerprints? Which ones?
4. In no less than 4 sentences, explain the differences and similarities between your fingerprint ridge characteristics (minutiae) and one other person in your group's fingerprint.