



RESULTS

Table

Fill out the table for each of your trials. For the variables that remain constant, write the value in trial A. Then, draw an arrow through each box indicating that this variable is a control.

Underline controls, circle changing variables and box information about data collection.

| Variables | Trial A | Trial B | Trial C | Trial D | |
|--|----------------|-----------|--------------------------|---------|---------------------|
| <u>Container:</u> | Test Tube | → | | | |
| <u>Time:</u> | 5 min | → | | | |
| Liquid Type: | RA | Soap | Water | Vinegar | |
| <u>Liquid Amount:</u> | 2 mL | → | | | |
| <u>Paper Type:</u> | Original | → | | | |
| Pen Color: | Red | Blue | Light Green | Yellow | |
| <u>Pen Type:</u> | Mr. Sketch | → | | | |
| <u>Initial Dot Height:</u> | 2 cm | → | | | |
| <u>Cap Placement:</u> <small>Other Variable</small> | On | → | | | |
| Predictions | Trial A | Trial B | Trial C | Trial D | |
| Put a "T" in the trial that will give the tallest smear and an "S" in the trial that will give the shortest smear. | T | | S | | |
| Data | Trial A | Trial B | Trial C | Trial D | |
| Measurements: | Smear Height: | 7.5 cm | 0 cm | 7.5 cm | 7 cm |
| | Liquid Height: | 9.5 cm | 2 cm | 9.5 cm | 9 cm |
| Observations: | Other: | Pink, Red | Liquid did not reach dot | Yellow | Blue, Green, Yellow |

The independent variable(s) is(are) the changing variable(s) and the dependent variables are the final measurements/observations.

NOTES ON PRESENTATIONS

What variables affect smears?

Subgroup 1

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 2

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 3

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 4

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 5

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 6

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 7

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 8

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

Subgroup 9

| | | | | |
|--------------------|--|--|--|--|
| Changing Variable: | | | | |
| Smear Height (cm): | | | | |

Summary: _____

