

NAME THAT INK

Final Data Sheet

Write Observations and Collected Information Here

	A	B	C	D
Water				
Vinegar				
Acetone				
What is the Ink/Pen Type?	A is ? _____	B is ? _____	C is ? _____	D is ? _____

NAME THAT INK

(Pen/Ink Type Key)

Vinegar	no change	no change	no change	paler blue ↑ blue gray ↑ med dark brown line
Water	no change	no change	pale gray	pale blue ↑ pale gray ↑ lt brown line
Acetone	no change	light purple	pale gray ↑ dark gray	pale blue ↑ black ↑ dk brown line



Pen/Ink Type	Dry Erase	Sharpie	Rolling ball	Vis A Vis
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NAME THAT INK

Students will

1. Use chromatography, team members and a descriptor key to perform labs, make observations, and collect data.
2. Describe/Identify 4 unknown inks
3. Test 6 different paper towel strips in 3 liquids
4. Discuss observations with table partners
5. Compare data - add information to group data sheets in order to complete the entire data observation sheet
6. Use "Key" to determine names of the inks (pens)

Procedure:

1. Choose 1 paper towel strip from either A, B, C or D
2. Dip end closest to black line into water, acetone or vinegar - let liquid travel about $\frac{1}{3}$ the length of the strip.
3. Remove from liquid and tape the "letter" end around a pencil.
4. Position pencil across metal tub to dry.
5. When dry, tape strip in appropriate box on data sheet
6. Choose 5 more strips and repeat steps 1 - 4.
7. Compare results with table partners and record observations and information on the NAME THAT INK Final Data Sheet.
8. Use the NAME THAT INK key with the completed NAME THAT INK Final Data Sheet, identify pen/ink types A, B, C, and D
9. Then, NAME THAT INK!

Tape Dried Sample Strips Here - Compare with Table Partners

A in Water	B in Water	C in Water	D in Water
A in Acetone	B in Acetone	C in Acetone	D in Acetone

A

in

Vinegar

B

in

Vinegar

C

in

Vinegar

D

in

Vinegar