MOLECUL Ar
Volumetric Analysis
a drop too far, and your grade disappears.
STEP 1
Rinse And Fill The Burette With The Given HCl Solution. Clamp It Vertically.
STEP 2 Rinse The Pipette....
STEP 3 Add 2-3 Drops....
launch AR
STEP 2
Rinse The Pipette And Use It To Transfer 25.0 ML Of Standard Na_2CO_3 Solution Into A Clean Conical Flask..
STEP 3 Add 2-3 Drops....
STEP 4 Place The Conical Flask...
STEP 3
Add 2-3 Drops Of Methyl Orange Indicator To The Conical Flask.
• The Solution Will Appear Yellow.
STEP 4 Place The Conical Flask...
STEP 5 Note The Initial...
STEP 4
Place The Conical Flask On A White Tile Under The Burette.
STEP 5 Note The Initial...
STEP 6 Slowly Release HCl
STEP 5
Note The Initial Burette Reading.
STEP 6 Slowly Release HCl...
STEP 7 As The Color Starts...
STEP 6
Slowly Release HCl From The Burette Into The Conical Flask While Constantly Swirling The Flask.
STEP 7 As The Color Starts...
STEP 8 Stop Titration When...
STEP 7
As The Color Starts Changing From Yellow To Orange/Pink, Approach The Endpoint Drop By Drop.
STEP 8 Stop Titration When...
STEP 9 Note The Final Burette Reading...
STEP 8
Stop Titration When A Light Pink/ Orange Color Persists (Endpoint).
STEP 9 Note The Final Burette Reading...
STEP 10 Repeat The Titration...
STEP 9
Note The Final Burette Reading.
STEP 10 Repeat The Titration...
STEP 10
Repeat The Titration To Get At Least Three Concordant Readings (Within ±0.1 ML Of Each Other).
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OBJECT DETECTION
SCIENCE LABS
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beaker? check. test tube? check.
explore.
test tube
pipette
funnel
test tube.
basically the espresso shot of chemistry.
A small cylindrical container used to mix, heat, or hold small amounts of chemicals. It's simple, reliable, and always ready for action in the lab.
• Use: Holding samples, performing reactions, heating substances over a flame
• Material: usually made of heat-resistant glass or plastic
• Fun Fact: It may be tiny, but it's where most chemical dramas begin.
- small tube. big reactions.
experiment AR.
don't try to drink. the virtual chemicals
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3 More To Come...