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Unknown Number _____

Trial One

Trial Two

Mass of flask, cap and rubber band
(analytical balance)

Mass of the empty flask
(triple beam)

Mass of flask, cap, rubber band
and condensed vapor
(analytical balance)

Mass of flask and water
(triple beam balance)

Temperature of boiling
water bath

Barometric Pressure

Pressure of vapor, P

Volume of flask, V

Mass of vapor

Moles of vapor

Molar Mass of Unknown

Average Molar Mass

% difference

Chemical Structure
(from Instructor)

Actual Molar Mass

Percent Error
