

Name: _____

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Analytical Chemistry II – Quiz (11th March, 2025)

- 1) How does relative loading error in voltage measurements relate to the meter resistance R_M and the source resistance R_S ? Explain and write down appropriate equation.

The relative loading error becomes smaller as the meter resistance R_M becomes larger relative to the source resistance R_S :

$$E_r = -\frac{R_S}{R_M + R_S} \times 100\%$$

- 2) How does v_o relate to V_i in this circuit? Write down the equation.

