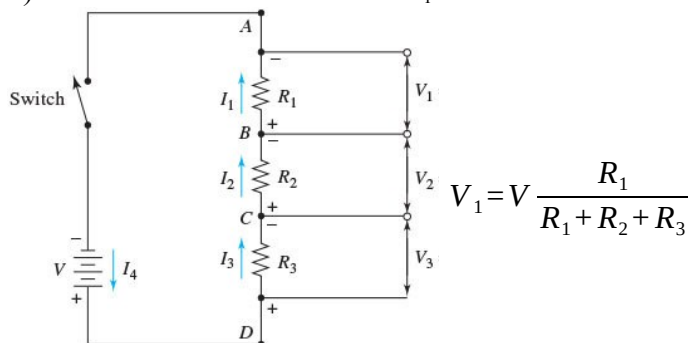Name: _____     ID: _____

**Analytical Chemistry II – Quiz (4ᵗʰ March, 2025)**

1) Write down the formula for $V_1$ in the circuit below. The formula should relate $V_1$ with $V$, $R_1$, $R_2$, and $R_3$.



$$V_1 = V \frac{R_1}{R_1 + R_2 + R_3}$$

2) - What is bias of analytical method? (1 sentence)
   - Write general equation expressing bias. Explain the meaning of all symbols.

Bias provides a measure of the systematic error (accuracy) of an analytical method.

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where:  – mean concentration of an analyte;  – true value.