

# GENEALOGY DATABASE ENTRY

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Regnault, Henri Victor

1810 - 1878

DEGREE: PhD

DATE: 1837

PLACE: Paris

TEACHER/RESEARCH ADVISOR: Berthier

first to prepare  $\text{CCl}_4$ , vinyl chloride, and trichloroethylene; studied reactions of halogens with unsaturated hydrocarbons, organic acids, and alkaloids; carried out detailed measurements of specific heats, densities, and compressibilities of gases; first accurate determination of absolute zero; first to measure the volume of  $\text{CO}_2$  expired by animals per volume of  $\text{O}_2$  inspired; noted that the metabolic rate of animals decreases with decreasing surface area to volume ratio.

FOOTNOTE: Regnault's master at the Ecole des Mines was Berthier, an analytical inorganic chemist. Regnault's interest in organic chemistry was probably a consequence of his visit to Liebig's laboratory in 1835.

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4. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 11, p352-354.
5. *Nature* **1878**, 17, 263-264.
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9. *Comptes Rendus* **1878**, 86, 131-143.
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