

Walter Hartwell White

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Skills

Organic & Inorganic Chemistry

Strong expertise in chemical reactions, synthesis, and analysis.

Crystallography & Catalysis

Experience with structural chemistry and catalytic processes.

Laboratory Research & Process Development

Skilled in designing, executing, and optimizing lab experiments safely.

Teaching & Mentoring

14+ years teaching high school chemistry and guiding students toward STEM careers.

Education

Ph.D. in Chemistry

California Institute of Technology (1978 – 1984)

Bachelor's Degree in Chemistry

University of New Mexico (1974 – 1978)

Certifications

Chemistry

OSHA Certified in Laboratory Safety (1992)

ACS Professional Chemist Certification (1990)

Languages

English

Native

German

Basic reading proficiency

Spanish

Conversational

Volunteer Work

Science Fair Judge

Albuquerque Regional Science & Engineering Fair (1996 – 2006)

Community Tutor

Free Chemistry Lessons for Underprivileged Students (1995 – 2005)

About

Accomplished chemist with a Ph.D. from Caltech and extensive experience spanning academic research, technology entrepreneurship, and education. Co-founder of Gray Matter Technologies, a successful research company in the chemical field, where he contributed to early innovations bridging chemistry and industrial applications. Later transitioned into education as a high school chemistry teacher in Albuquerque, developing engaging lessons and inspiring students to pursue careers in science.

Recognized for deep expertise in organic and inorganic chemistry, laboratory research, and process development, with proven ability to simplify complex scientific concepts for learners of all levels. Skilled in laboratory safety, mentoring, and instruction, with a reputation for discipline, precision, and dedication.

Work experience

A1A Car Wash – Owner / CEO

March 2008 – December 2008 (10 months)

- Acquired and managed the operations of the A1A Car Wash in Albuquerque.
- Oversaw business strategy, financial planning, and day-to-day management.
- Supervised staff and maintained high customer service standards.
- Implemented operational improvements to increase profitability.

ABQ School District – Chemistry Teacher

January 1995 – December 2008 (14 years)

- Taught high school chemistry to students in Albuquerque, New Mexico.
- Designed and supervised laboratory experiments to ensure safe and engaging learning.
- Recognized for making complex chemical concepts accessible and engaging.
- Inspired students to pursue higher education and careers in science.

Independent Research Chemist – Consultant

February 1989 – December 1994 (5 years 11 months)

- Conducted independent research and consulting projects in applied chemistry.
- Supported local industries with chemical processes and laboratory safety.
- Contributed to small-scale R&D efforts, focusing on crystallography and catalysis.
- Provided expert guidance to businesses in need of process optimization.

Gray Matter Technologies – Co-Founder

July 1985 – January 1989 (3 years 7 months)

- Co-founded Gray Matter Technologies with Elliott Schwartz and Gretchen Schwartz.
- Contributed to early-stage research and development in chemistry and technology.
- Assisted in establishing the foundation for the company's growth and long-term success.
- Participated in collaborative projects bridging academic research and industrial applications.