

The Elements

The truth and consequences of chemistry

Course #	21FELE
Format:	Seminar
Moderator:	Jim Scott
Date and Time:	Tuesday, 9:30-11:30 AM 10 weeks, starting 9/28/2021
Format:	Online
Maximum number of participants:	16
Auditors accepted:	Yes, up to 2

Purpose: We will explore the properties of some of the 100 elements or groups of elements and their role in the world around us.

Description: The chemical elements form the basis for the structure and behavior of the physical and biological universe. We will explore the elements or groups of elements as to their role in the world around us, some of the mysteries and myths associated with them, and some of the remarkable scientists associated with the discovery and exploitation of particular elements.

Role of participants: Each participant will select a particular element or element group and present a report of approximately 30 minutes on that topic, concerning the discovery, properties, and applications in today's physical, biological, and economic environment, and lead the following discussion.

Resources: Information and reference materials on the elements are readily available on the Internet. Local public and academic libraries have multiple books and magazines available as well. The moderator can recommend additional sources.

About the Moderator: Jim Scott was a chemistry major in college and taught chemistry on the high school and college levels for many years. He has been a member of 5CLIR for more than 20 years and moderated seminars in science, history and other topics. He has lived in Amherst for more than 50 years.