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STS.003 The Rise of Modern Science
Spring 2008

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STS.003

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Keywords for Week 3

Lecture 5. Chemistry in the Enlightenment

Four elements

Aether (quintessence)

Alchemy

George Stahl (c. 1660-1734)

Phlogiston

Stephen Hales (1677-1761), *Vegetable Staticks* (1727)

Joseph Black (1728-1799)

Fixed air

Henry Cavendish (1731-1810)

Inflammable air

Joseph Priestley (1733-1804), *Experiments and Observations on Different Kinds of Air* (1775)

Laughing gas

Vital gas

Dephlogisticated air

Antoine Lavoisier (1743-1794), *Method of Chemical Nomenclature* (with 3 co-authors, 1787),
Elements of Chemistry (1789)

Law of the conservation of matter

Oxygen

Hydrogen

Caloric

Ice calorimeter

Abbé de Condillac (1715-1780)