



Boulder Valley School District: *Essential Learnings* /Alignment with Colorado State Standards:

Standard 2: Students know and understand common properties, forms and changes in matter and energy

***PYS7:** Applies an understanding of the conservation of mass to physical and chemical changes within a system

c. Applies the law of conservation of mass to chemical changes (for example: determine the mass of products given the reactants)

e. Defines chemical change as a change in which existing substances react to form new substances with different properties

PYS10: Describes the similarities and differences among elements, molecules, compounds and mixtures

f. Identifies whether or not a simple chemical equation is balanced

Technology Integration Expectations: (Technology Integration and Information Literacy)

Students will use technology:

- responsibly for communication and transfer of ideas
- to gather, organize, analyze and communicate about data
- to collaborate with others to identify information problems and seek their solutions

*PYS stands for Physical Science