

Spacegate Station

Episode 1 Resources



Resource Contents

- Physical and Chemical Change Worksheet
- Next Generation Sunshine State Standards (Florida)

This program was designed specifically to be used as part of science subject instruction, science remediation and science enrichment. The determination of the appropriate science standards that correlate to this program was established by a board of Science Specialists and teachers in Duval County Public Schools, Jacksonville, FL, USA.

Spacegate Station Episode 1

Physical and Chemical Change Worksheet

Physical Change Definition:

Chemical Change Definition:

Effect of temperature on physical and chemical changes:

Physical Change Criteria	Chemical Change Criteria

Justification of a Physical or Chemical Change

1. Tearing a piece of paper into small pieces
Physical or chemical _____
Why?
2. Dissolving sugar into room temperature water
Physical or chemical _____
Why?
3. Eating a Bologna sandwich and digesting it.
Physical or chemical _____
Why?

Next Generation Sunshine State Standards (Florida)

SC.5.P.9.1 Investigate and describe that many physical and chemical changes are affected by temperature.

SC.5.N.1.1 Define a problem, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types such as: systematic observations, experiments requiring the identification of variables, collecting and organizing data, interpreting data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.

SC.6.N.3.2 Recognize and explain that a scientific law is a description of a specific relationship under given conditions in the natural world. Thus, scientific laws are different from societal laws.

SC.6.N.3.3 Give several examples of scientific laws.

SC.6.N.3.4 Identify the role of models in the context of the sixth grade science benchmarks.

SC.7.N.3.2 Identify the benefits and limitations of the use of scientific models.

SC.8.N.3.1 Select models useful in relating the results of their own investigations.