

# Changes

## Application: Physical and Chemical Changes

1. Identify the change in each scenario described below as physical or chemical and endothermic or exothermic. Give reasons for your identification.

	Scenario	Physical or Chemical	Endothermic or Exothermic
1	When two clear colorless liquids are mixed, a yellow precipitate forms and settles to the bottom of the test tube. There is no significant change in temperature.		
2	When two clear colorless liquids are mixed, gas bubbles escape out of the test tube. There is an increase in temperature.		
3	When two clear colorless liquids are mixed, a clear colorless liquid is formed. There is a decrease in temperature.		
4	When two clear colorless liquids are mixed, a clear pink solution forms. There is no significant change in temperature.		
5	A warm, clear liquid changes to a clear, crystalline solid at room temperature.		



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2. In which type of change is mass conserved?
3. Describe a situation when observations may indicate that mass is not conserved in the change. (Diagrams are allowed.)

