Properties of Matter

liquid	physi	cal change	chemical change	mixture
physical properties		physical property	distillation	physical change
equals	melting		conservation of mass	

Scientists try to exp	plain how changes in substances take place. By applying energy,
you can tear a sheet o	of paper into pieces and cause a 1.
in the paper. On a ho	ot summer day, water vapor will condense into water droplets
on the outside of a g	lass of iced tea. The glass of iced
tea is a 2.	of sugar, tea, lemon, and water. Water is a clear,
colorless 3.	at room temperature. The words clear and
colorless describe two	0 4
of water. The melting	g of the ice in iced tea is a 5
In comparison, a 6	
produces new substa	nces. When a candle burns, physical and chemical changes take
place. The 7.	of the wax is a physical change. The melted
wax, as it burns, com	bines with gaseous oxygen in air. After the chemical change,
water vapor and carb	on dioxide gas are formed. The mass of all substances before
a chemical change 8.	the mass of all substances after a
chemical change. Thi	s is called the law of 9.
To separate a solid	from a liquid, such as salt from seawater, a process using
the 10	of boiling point called
	is used

