

Matter is
Mass is
Volume is
Physical Properties are

Physical Property				Example
State of Matter	Solid	Liquid	Gas	
				cheese:
shape:				water:
volume:				nitrogen:
Colour	colourless, black, red, yellow, etc.			oxygen: graphite:
Texture	fine, coarse, smooth, gritty			sandpaper: marble:
Odour	odourless, sharp, pungent, burnt, spicy			skunk: bleach:
Lustre	shiny, dull, matte			cement: foil:
Clarity	transparent, translucent, opaque			ketchup: lemonade:
Taste	sweet, bitter, sour, salty			skittles: coffee:
Viscosity	how easily a liquid flows; the thicker the liquid, the higher the viscosity			corn syrup: alcohol:
Malleability	a malleable substance can be hammered into thin sheets; a brittle substance shatters when hammered			aluminum: glass:
Ductility	a ductile substance can be drawn into thin wires			plastic: copper:
Hardness	measures the resistance of a substance to being scratched or bent; measured on a scale from 1 (softest) to 10 (hardest)			chalk: diamond:
Conductivity	the ability of a substance to conduct heat or electricity; insulators do not conduct electricity, and conduct very little heat			rubber: copper:
Density	the amount of mass per unit volume; measures how compact (closely spaced) the molecules are			Styrofoam: lead: