

Learner Exemplar (Properties)

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Plastic Sample	Colour	Clarity (transparent/translucent/opaque)	Hardness (hard or soft)	Odour	Malleability (malleable or brittle)	Flame Colour (Combustion)	Smoke Colour
 Plastic Honey Container	Clear	Transparent	Fairly hard	No scent - honey	Not very malleable Not brittle	Blue/yellow	Black
 Plastic Baking Powder Container	White	Opaque	Hard	No scent - baking powder	Not very malleable Not brittle	Blue/yellow	White
 Milk Pitcher Holder	White	Opaque	Very Hard	No scent	Not very malleable Not brittle	Blue/yellow	White
 Plastic wrap	Clear	Transparent	Soft	Plastic smell	Very malleable Not brittle	Blue/yellow	No smoke - just melts
 Ice Cream Container	Plastic is white Labels have various colours	Transparent	Hard	Mild plastic smell - vanilla ice cream	Fairly malleable Not brittle	Yellow/Orange	White
 Yogurt Container	Plastic is white Labels have various colours	Opaque	Fairly Hard	Smells like yogurt	More malleable than the ice cream container Not brittle	Yellow	Black

Learner Exemplar (Density)

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Name: _____

Date: _____

Plastic Sample	Solution A	Solution B	Solution C	Solution D	Relative Density Estimate
	sinks	sinks	sinks	sinks	greater than 1.16 g/mL
	sinks	sinks	floats	floats	between 0.93-1.00 g/mL
	sinks	sinks	sinks	sinks	greater than 1.16 g/mL
	sinks	floats	floats	floats	Between 0.91-0.93 g/mL
	floats	floats	floats	floats	less than 0.91 g/mL
	sinks	sinks	sinks	floats	between 1.00-1.16 g/mL