



Beyond solids and liquids: the science of slime

Material assessment chart

Test the mechanical responses of each material and fill out the chart. By systematically evaluating each attribute of the material and marking the appropriate response, you can categorize it as solid, liquid, or both.

Assessment chart for the mechanical response of a material

Material:		
Attribute	Solid-like response	Liquid-like response
Does it have a fixed shape?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Can you pour it?	<input type="checkbox"/> No	<input type="checkbox"/> Yes
Can you stretch it?	<input type="checkbox"/> No	<input type="checkbox"/> Yes
Can you compress it?	<input type="checkbox"/> No	<input type="checkbox"/> Yes
Can it flow or be spread on a surface?	<input type="checkbox"/> No	<input type="checkbox"/> Yes
After deforming it: does it recover the initial shape?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total:		
Category:	<input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Both	