

Name: **Example Answers**

Note: These properties have more than one correct definition and example. Example answers are provided.

Materials Properties Research Handout

Property	Definition	Example
brittle	Hard but liable to break or shatter easily.	glass
conductor	A substance, body, or device that readily conducts heat, electricity, sound, etc.	copper
durable	Able to withstand wear, pressure or damage; hard-wearing.	steel
elastic	Capable of returning to its original length, shape, etc., after being stretched, deformed, compressed or expanded.	rubber
flexible	Capable of being bent, usually without breaking; easily bent.	plastic
hard	Not soft; solid and firm to the touch; unyielding to pressure.	stone
heavy	Of great weight; hard to lift or carry.	concrete
inexpensive	Not expensive; not high in price; costing little.	wood
insulator	A material or an object that does not easily allow heat, electricity, light or sound to pass through it.	wool
light (weight)	Of little weight; not heavy.	paper
rigid	Unable to bend or be forced out of shape; not flexible.	concrete
rough	Having an uneven or irregular surface; not smooth or level.	stone
smooth	Free from projections or unevenness of surface; not rough.	glass
soft	Yielding readily to touch or pressure; easily penetrated, divided or changed in shape; not hard or stiff.	cotton
strong	Able to resist strain, force, wear, etc.	steel