

## Worksheet A: Materials and Properties

This table lists the properties of a variety of everyday items that are appropriate for this activity. All or some can be used. Other items can be added.

<b>Property</b>	<b>Material</b>	<b>Recommended Size</b>
Height	Sponges, 1/4 to 1 inch thick	2" x 3" sections
	Styrofoam, blocks	Any size easily available
	Styrofoam, packing pellets	As individual pellets
	Bubble packing, small or large bubble	2" x 3" sections
Cushioning/Flexibility	Sponges, 1/4 to 1 inch thick	2" x 3" sections
	Rubber tubing (like used for fish tanks)	6" lengths
	Cotton balls, triple size	As individual balls
	Bubble packing, small or large bubble	2" x 3" sections
Traction	SOS / Brillo pads	As individual pads
	Rubber baseboard	6" – 8" lengths
	Sandpaper, 100 grit	3" x 8"
	Rubber gloves	2" x 3" sections

Note: the stiffness/flexibility depends upon which materials have been chosen for the other properties.