

## Automotive Engineering

# Alternative Fuel Vehicle Criteria Checklist

I'm going to engineer an alternative fuel vehicle:

That's powered by:	With This Special Criteria:
<input type="checkbox"/> A mouse trap	<ul style="list-style-type: none"> <li>Some way to attach the mouse trap to the vehicle body</li> <li>Some way to connect the mouse trap's moving part to the vehicle's back axle</li> </ul>
<input type="checkbox"/> A rubber band	<ul style="list-style-type: none"> <li>Some way to attach the rubber band to the vehicle body</li> <li>Some way to attach the rubber band to the vehicle's back axle</li> </ul>
<input type="checkbox"/> A balloon	<ul style="list-style-type: none"> <li>Some way to attach the balloon to the vehicle body</li> <li>Some way to blow up the balloon once attached to the vehicle</li> </ul>

All alternative fuel vehicles must have:

<input type="checkbox"/> A power source (this is whatever option you chose above!)	
<input type="checkbox"/> A body	What material will you use for the body?
<input type="checkbox"/> Wheels and Axles	What material will you use for the wheels?
	How many wheels do you need? _____ wheels
	What material will you use for the axles?
	How many axles do you need? _____ axles
	How will you attach the axles to the wheels?
	How will you attach the axles to the body? Remember that the axles must be able to turn.