








*Order the 8 steps of the design process for this project. Write numbers from 1 to 8.*

<p><b>They build the backpack</b> and try it <b>out for a week.</b> Emily uses it every day and writes notes about what works and what doesn't.</p> 	<p><b>Emily's backpack always breaks</b> <b>because</b> she carries too many books. She wants to find a better way to carry her things to school.</p> 	<p>They <b>prepare a poster</b> with their drawings, results, and photos of the backpack. <b>They present it to the class</b> and explain what they learned.</p> 	<p><b>They draw a picture of the new backpack</b> and plan where to put the pockets and which materials to use.</p> 
<p><b>Her group looks online and in books</b> to see what materials are strong and light. They also ask friends what kind of backpacks they use.</p> 	<p><b>After talking as a group,</b> they decide to build the backpack with extra pockets because it's easier to carry and cheaper to make.</p> 	<p><b>They come up with three different ideas:</b> a rolling backpack, a strong backpack with more pockets, and a small cart.</p> 	<p>After the presentation, they decide to use a stronger zipper and add wheels to help on heavy days. They make a <b>new version of the backpack.</b></p> 