Building Our Bridge to Fun Post-Assessment

Read the following questions, and for each one circle the best choice as accurate as possible:

1. A pulling force that acts to lengthen an object is defined as  
   a. Compression force  
   b. Tension force  
   c. Shear force  
   d. All above  
   e. None of the above

2. A pushing force that acts to shorten an object is defined as  
   a. Compression force  
   b. Tension force  
   c. Shear force  
   d. All above  
   e. None of the above

3. Which of the following loads are to be consider in a bridge design?  
   a. Weigh of the bridge  
   b. Snow load  
   c. Wind load  
   d. Traffic and people load  
   e. All above

4. In real life, which of the following combination of materials is the best choice for constructing a bridge that works under compression and tension?  
   a. Stone and water  
   b. Concrete and steel  
   c. Glass and plastic  
   d. Steel and ice  
   e. All above
<table>
<thead>
<tr>
<th>Statement</th>
<th>Agree a lot</th>
<th>Agree</th>
<th>Disagree</th>
<th>Disagree a lot</th>
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<td>I want to learn more about Bridge design</td>
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<td>Engineers should know material properties to design and build bridges and other constructions</td>
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<td>Math is important in <em>my</em> everyday life</td>
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<td>Robots can help design and build bridges</td>
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