

3 The flowchart represents one example of homeostasis in an endotherm.

![Flowchart](image)

Which of the following does Response X represent in this cycle?

(A) Increased rate of sweat production

(B) Increased rate of urine production

(C) Decreased rate of sweat production

(D) Decreased rate of urine production

<table>
<thead>
<tr>
<th>Choice</th>
<th>Band 1/2</th>
<th>Band 2/3</th>
<th>Band 3/4</th>
<th>Band 4/5</th>
<th>Band 5/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>38.2</td>
<td>20.6</td>
<td>8.7</td>
<td>2.1</td>
<td>1.6</td>
</tr>
<tr>
<td>B</td>
<td>10</td>
<td>5.5</td>
<td>2.8</td>
<td>1.8</td>
<td>0.5</td>
</tr>
<tr>
<td>C</td>
<td>43.6</td>
<td>68.7</td>
<td>85.3</td>
<td>95.2</td>
<td>97.3</td>
</tr>
<tr>
<td>D</td>
<td>8.2</td>
<td>5.2</td>
<td>3.1</td>
<td>1</td>
<td>0.5</td>
</tr>
<tr>
<td>N</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

The table and graph show, for the groups of students whose marks in the examination corresponded to the borderline between two bands, what percentages of each group selected the responses A, B, C and D. N is used to identify: No valid response.