AMS Peer Training Module

**Highs - Lows**

Activity: Air Motion – The High and Low of It

**Investigations: Characteristics of High & Low Pressure Systems**

1. increase, decrease
2. (c) clockwise and spiraling outward
3. (b) counterclockwise and spiraling inward
4. falls, rises
5. downward, upward
6. (a) downward and outward in a clockwise spiral
7. (d) upward and inward in a counter-clockwise spiral
8. ascending, descending
9. decreasing, expands, decreases
10. increasing, is compressed, increases
11. Low
12. High
13. fair, stormy
14. colder
15. warmer
16. clear
17. south, higher
18. Denver
19. cloudy
20. north, lower
21.

<table>
<thead>
<tr>
<th></th>
<th>High</th>
<th>Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press. chg. towards center</td>
<td>increase</td>
<td>decrease</td>
</tr>
<tr>
<td>Winds around center</td>
<td>clockwise</td>
<td>counterclockwise</td>
</tr>
<tr>
<td>Winds related to center</td>
<td>outward</td>
<td>inward</td>
</tr>
<tr>
<td>Vertical motion</td>
<td>down</td>
<td>Up</td>
</tr>
<tr>
<td>Temp. chg. vertically</td>
<td>increase</td>
<td>decrease</td>
</tr>
<tr>
<td>State of sky</td>
<td>clear</td>
<td>cloudy</td>
</tr>
<tr>
<td>General weather</td>
<td>fair</td>
<td>stormy</td>
</tr>
</tbody>
</table>
Real World Applications

1. clear
2. cloudy
3. is