

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**Highs, Lows & Winds Lab Activity**

1000	1000	1020	1040	1020	1000	1000	1000	1000	1000
1020	1040	1040	1060	1040	1020	1000	1000	1000	1000
1040	1060	1080	1060	1040	1020	1000	1000	1000	1000
1020	1040	1060	1040	1020	1020	1000	1000	1000	980
1020	1020	1040	1020	1000	1000	980	980	980	960
1000	1020	1020	1000	1000	980	960	960	940	960
1000	1000	1000	1000	1000	980	960	940	920	940
1000	1000	1000	1000	980	960	940	920	940	960
980	1000	1000	1000	1000	980	960	940	960	980
960	980	1000	1000	1000	1000	980	960	980	1000

Answer the following questions using your knowledge and the diagram you have created above.

1. Determine the direction of the wind for the 4 boxes that have a dot. Draw an arrow to represent the direction at each point.
2. Which of the four locations (960, 1000, 1020, 1040) mentioned in question 1 has the strongest wind? How do you know?
3. In a low pressure center, does the air sink or rise?
4. Does the air move towards or away from a low pressure center?
5. Where are clear skies likely?
6. Where is the chance for thunderstorms the greatest?