NAME_____ Convection HW

1. During your simulated survival scenario, if you are right next to your house on a still night, if you have a tent, which way should you face the opening of your tent? Why?

2. You'll be performing a cold-weather survival scenario in your backyard. Perhaps on the particular night you choose to try it, you'll be more concerned with winds generated by convection that come from places far away and are caused by reasons bigger than your house. In this case, how will you overcome this challenge?

3. Let's say you are designing a house. You want to put a heat vent in a room. Where is the best place for the heating vent?

a. In the ceiling
b. In the wall above the window
c. In the wall below the window
d. On the wall opposite the window
e. On either wall perpendicular to the wall with the window
f. It doesn't matter, just as long as the heat vent is somewhere

4. For a complete convection cycle, the falling air has to move towards the heat source. How does this happen? Use a diagram if it helps your explanation.

5. List 3 "places' where convection happens, and detail the result of each convection cycle.