Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classroom Energy Audit

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per. \_\_\_\_\_\_\_\_

Measure the temperature in Celsius of the various places in the room. Look for cold and hot spots. Choose two more places, and measure there too.

|  |  |
| --- | --- |
| **Location** | **Temperature C°** |
| 1. The floor next to the door (don’t open the door!) |  |
| 1. An edge of the door, eye-level (don’t open the door!) |  |
| 1. Approximately one meter away from the door, eye-level |  |
| 1. At the “hot spot” in front of the projector |  |
| 1. Near one of the plugs, under the counter in the back |  |
| 1. Approximately one meter away from the wall in the back |  |
| 1. Near the heater in front |  |
| 1. Near the middle of the room |  |
| 1. In the front, near a power outlet |  |
| 1. One meter away from the front wall |  |
|  |  |
|  |  |

A. Where is the cold air leaking in? What spots are warmer than others? Explain.

B. What would you suggest, to make the temperatures more consistent; in other words how could you fix the hot and cold spots in the room?

C. What did you learn from this energy audit?

D. Why would an energy audit in your home be helpful?