



WATER WATER EVERYWHERE

Name: _____ Date: _____

HYPOTHERMIA

THINK FIRST!

When the wind blows, we generally feel cooler. If you take a thermometer out in the wind, what will happen to the temperature it is reading?

MATERIALS

- 1 thermometer
- 1 book
- 1 paper towel
- 1 rubber band
- room temperature water

PROCEDURE

1. It is very important that the water you use is room temperature. To make room temperature water, put some tap water in a bottle and let it sit in the room overnight.
2. When handling the thermometer, be careful not to hold it by the bulb or you will be measuring your body's temperature.
3. Record the starting temperature of the thermometer.

4. Hold the thermometer in your hand while your partner makes wind on it by waving the book near it. Do not blow on it with your mouth.

5. After a minute of wind, record the temperature. What do you observe?

6. Now wrap one layer of paper towel around the bulb of the thermometer and hold it there with the rubber band. Make sure you can see the scale.

7. Dip the thermometer wrapped in the paper towel in room temperature water. Record the temperature.

8. Once again, hold the thermometer (still wrapped in the towel) and have your partner make wind using the book.

9. After a minute of wind, record the temperature. What do you observe?

TEMPERATURE READINGS

At Start: _____

Wind: _____

Water: _____

Wind & Water: _____

Did you remember to write down your units of measure?

CONCLUSION

QUESTIONS

Wind chill charts claim that the faster the wind blows, the colder you will feel. Can you think of a way to test this hypothesis?

If an object must be wet to be able to feel the effects of wind chill, why is it that we feel wind chill even if we didn't just fall overboard?
