

# Wind Chill Experiment

Make a prediction about the temperature of air that blows across ice water.

## Materials:

- Large bowl
- Ice cubes
- Cold water
- Paper fan

## Directions:

1. Fill the bowl with ice cubes.
2. Fill the rest of the bowl with cold water.
3. Have a friend gently fan your face with a paper fan. Do the same to your friend. Make your prediction for this experiment.
4. Put your face next to (but not touching) the bowl of ice water. Have your friend fan your face from the other side of the bowl so the air blows across the top of the bowl. Do the same to your friend.
5. Complete the Wind Chill Experiment worksheet based on your discoveries.

# Wind Chill Experiment

I predict the air travelling across the ice water will feel:  
Circle one.

**warmer   the same   cooler**

than/as room temperature air.

**Draw and label a diagram of this experiment.**



How did the temperature of the air feel after it travelled across the ice water?

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Using what you learned from this experiment, describe wind chill.

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