

## "Hot or Cold"

Purpose: Which is better, hot or cold water, for removing stains?

Hypothesis: Hot water will remove a stain better than cold water.

### Materials

6 equal squares of white material  
3 packets of ketchup  
1 bowl hot water (130 degrees F)  
1 bowl of cold water (est. 68 degrees F)  
1 Tbsp. Oxydol detergent in each bowl

### Procedure

1. Stain white cloth with ketchup.
2. Cut material into equal squares.
3. Place stained material in a bowl of hot water and a bowl of cold water, each with detergent.
4. Check cloth for stain removal every minute for 15 minutes.

Conclusion: Is hot or cold water better in removing stains?

|      |                                   |
|------|-----------------------------------|
| Hot  | 5 min. - no change                |
|      | 10 min. - visible loss of stain   |
|      | 15 min. - increased loss of stain |
| Cold | 5 min. - no change                |
|      | 10 min. - slight loss of stain    |
|      | 15 min. - more loss of stain      |

Conclusion: Hot water removes stains better than cold water.