

Activity 1.5

## M&M's in different temperatures

### Does the temperature of the water affect how fast the colored coating dissolves from an M&M?

1. Talk with your group about how you might design an experiment to investigate the question above. Describe your basic plan below.

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2. One variable that you should change in each plate is the temperature of the water. All other variables should be kept the same, or controlled. Make a list of variables that you will control in your experiment.

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3. After conducting your experiment, describe your observations with basic illustrations and captions, and answer the question: Does the temperature of the water affect how fast the colored coating dissolves from an M&M?