

## Will It Stretch? Teacher Worksheet

Predict what will happen to the length of a rubber band when heated:

Observations of a heated rubber band:

*(The rubber band will shorten. Students will see a 1 or 2 cm decrease in length at most)*

Change in length of the rubber band \_\_\_\_\_

Predict what will happen to the length of a rubber band placed in the freezer:

Write a paragraph explaining how and why a rubber band changes length with a temperature change.

*(See the Explanation section for this answer)*

Predict the temperature change you will feel when a rubber band is stretched against the skin of your upper lip/forehead:

Describe the temperature change you actually experienced:

*(The rubber band feel warm)*

Predict the temperature change you will feel when a rubber band contracts against the skin of your upper lip/forehead:

Describe the temperature change you actually experienced:

*(The rubber band feel cool)*

Write a paragraph explaining the temperature changes you just experienced including energy transformations occurring during the stretch and contraction of the rubber band.

*(See the Elaboration section for the answer)*