

WEIRD SCIENCE: KEEP IT COOL & MAKE IT MELT

MATERIALS:

Hershey's chocolate bar (you will use two pieces of it)
masking tape
rubber bands
construction paper
sandwich bags
aluminum foil
cotton balls
pipe cleaners
craft sticks
a sunny day

IMAGINE:

Your challenge is to build two devices using the materials above. One device to slow the melting process and one to speed it up.

PROCEDURE:

1. Plan and build one device to make one piece of chocolate melt as fast as possible.
2. Plan and build one device to keep one piece of chocolate from melting.
3. Once both devices are complete, take them outside and set them side by side in the sun. Place a piece of the chocolate bar in/on each device.
4. Every ten minutes or so look at the chocolate bars. What is happening? Is the Keep It Cool device slowing down the melting process? Is the Make It Melt device speeding up the process? You could put a third piece of chocolate on a paper plate as the control piece for comparison.

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5 cool facts about

THE SUN

1. You could fit 1.3 million Earths in the Sun
2. It takes 8 minutes for the Sun's light to reach Earth
3. The Sun is 27 million degrees Fahrenheit
4. the Sun is about 4.5 billion years old
5. The Sun is 92,960,000 miles away from Earth



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