



# STAY CONNECTED. STAY CURIOUS.

## Melting Experiment

What melts in the sun? All solids have a melting point. The melting point of water is 32 degrees Fahrenheit (F), but other substances have different melting points. For example, butter melts when it's above 90 degrees F. Collect items from around your home to set up this melting experiment.

### You'll need:

- Muffin tin or tray to hold the items
- A timer
- A piece of paper and pen/pencil
- Assortment of items (suggestions below, but feel free to include other items your little wonder wants to test)

Cheese	Legos	Piece of wood
A rock	Candle	A marble
A coin	Chocolate	Crayons with paper removed
Bar of soap	Small plastic toy	A button

### What to do:

1. Collect the items and place them in them in the muffin tin or on a tray.
2. Guess which items will melt and which will not, and record your guesses on the paper. Ask questions like, "Do you think this melt in the sun?"
3. Place the items in the sun and set the timer for 10 minutes.
4. Check the items after 10 minutes to see what is happening. Record your observations each time you check. Continue the experiment by asking, "What do you think will happen if we leave the items in the sun longer?"
5. Be sure to record your final observations with what melted and what did not. You can make this experiment as long or as short as you like. Depending on the temperature and the amount of direct sunlight, things may take longer to melt.
6. Find new items and try the experiment again!

