

Blacka

-05 ersal

Experiment #1

WHAT YOU NEED: Permission and help from a grown-up in your family - marbles - frying pan - shallow bowl of ice water WHAT TO DO:

First find the marbles. Games used to be played with marbles. Marbles are now usually used for arranging flowers or making things pretty.

Put the bowl near the stove while your grown-up heats up a few marbles, rolling them around in a frying pan. When the marbles get warm, your grown-up should dump them into the bowl.

Listen to the crackle sound they make. Throw the cracked marbles away. They can be sharp and dangerous.

SO WHAT: You put the marbles in *thermal distress* - different parts of the marbles were at different temperatures and they cracked. Cold milk does the same thing to the thin walls of puffed rice cereals, and they crack and crackle.

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