

Canned Heat: Cooling Down [Experiment]

This experiment allows a comparison of the thermal radiation of different surfaces. The surfaces are black and silver. The data-taking is slow; the more restless students will find it somewhat tedious. But time is a critical element in this experiment, so the tedium must be endured!

Answers to Summing Up Questions

1. Faster: black, slower: silver.
2. Silvery surfaces hold thermal energy better.
3. It should be colored black (and often is!).