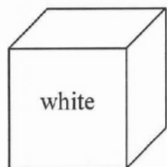
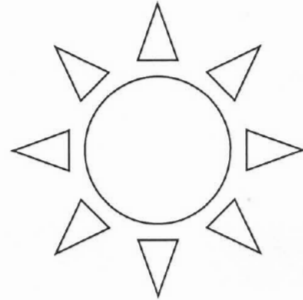


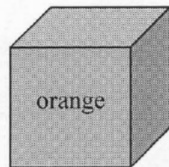
Solar Energy Experiment

Solar energy is light and heat from the sun. When solar energy hits objects, some of the energy is reflected, and some of the energy is absorbed and changed into heat.



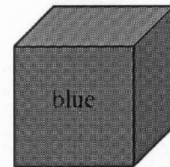
_____ minutes

_____ seconds



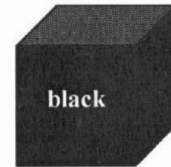
_____ minutes

_____ seconds



_____ minutes

_____ seconds



_____ minutes

_____ seconds

1. Put a colored ice cube (using food coloring) on a matching piece of colored paper.
2. Place in sunlight (or in front of light bulb) and calculate which color melts fastest, and which color melts slowest.

The _____ melts fastest because it *absorbs* the most light: it is the most efficient solar heat collector.

The _____ melts slowest because it *reflects* the most light.

The _____ and _____ absorb all the light except the one they reflect; that is the color they appear to us.

Web Extra 3.3: Solar Energy Experiment

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