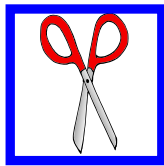
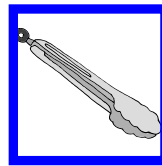


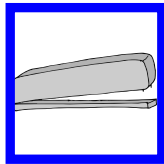
Sun Versus Shade



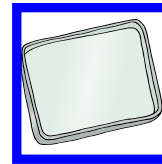
Scissors (2)



Tongs (2)



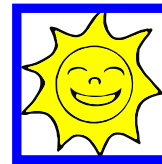
Stapler (2)



Tray (2)



Chocolate Bar
(2)



Sun



Metal Toy Car (2)

Sun Versus Shade Experiment

This simple experiment demonstrates the sun's heat as well as the difference between sun and shade. It illustrates that sun radiates heat and can make things hot.

1. Place a variety of metal objects and a piece of a chocolate bar on each metal baking sheet.
2. Tell students you are going to put one baking sheet in the shade and one in the sun. Ask students to make predictions about what may happen to the objects.
3. Go outside and place one baking sheet in a shady area and the other one in a sunny area.
4. Leave them for an hour or two depending on the outdoor temperature. You want the objects to be warm to the touch, but not scalding hot.
5. Allow the students to feel them after they have been outside. (Be sure to touch them first.) Discuss what happened and why. Be sure the understand that the objects in the sun were warmer because the sun radiates heat and make things warm.

