

# S T U D E N T H A N D O U T

## Review

- 1 Why do people in hot climates wear light-colored clothing?
- 2 Why shouldn't they wear darker clothes?
- 3 Why doesn't foil get hot?
- 7 Take the radiometer outside (if it's a bright sunny day) and record the response and how it differs from the other attempts.
- 8 Place your hands very close to the radiometer and let the heat from your hands warm the bulb. What is the response?

## Lab

- 4 Get a flashlight and shine it directly at the radiometer. What is its response?
- 5 Which direction does this response happen?
- 6 Turn the flashlight off and just allow the radiometer to react to the classroom lighting. What is the response?
- 9 Remove your hands and note what happens as the radiometer cools.
- 10 Hypothesize about what causes the radiometer to respond as it does.

