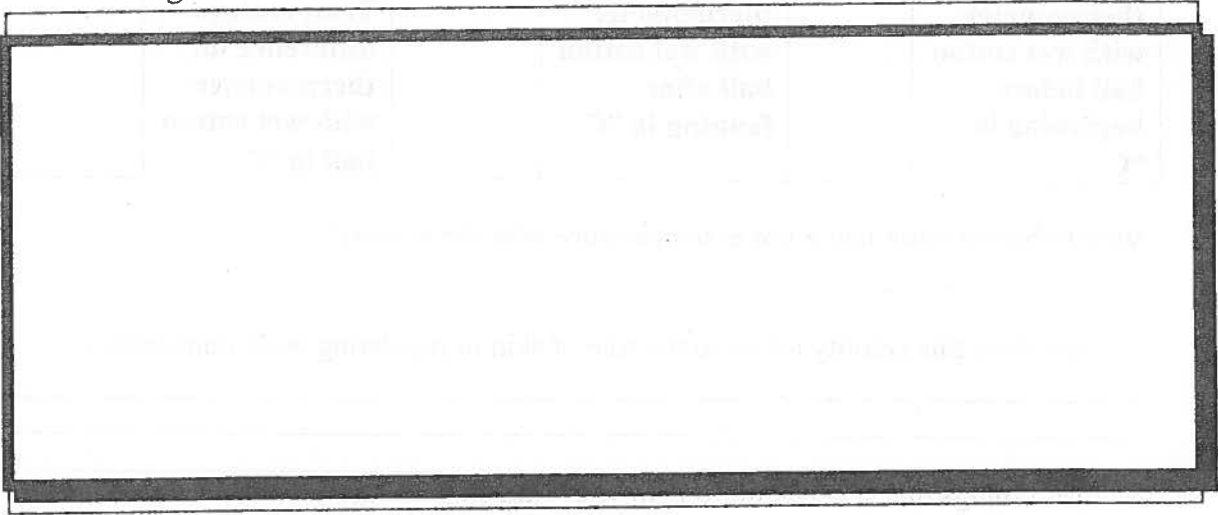


1. What are the main functions of the skin?

2. Label a diagram of the skin below. Include major parts. Color your diagram.



3. What do you think are the main differences between the dermis and the epidermis?

4. Use the Scope on a Rope to examine the skin on your hand. Look for the pores and hairs on both the palm of your hand on the back of your hand. Make an observation about what you see, specifically if you see any sweat coming out of your pores and what the pores look like, _____

5. Run as Mr. Schneider directs you for a few minutes. Repeat Steps as described in #4. Is anything different now?

6. Next we will do the sweaty skin activity as described on page 553 of our old science book. Follow the steps exactly and please be careful with the thermometers as they are fragile. Record the data on the table on the back of this sheet.

| | | | | | |
|--|--|---|--|--|--|
| Temp of plain thermometer before beginning in °C | | Temp of plain thermometer after fanning in °C | | Total Temperature difference for plain thermometer in °C | |
| Temp of thermometer with wet cotton ball before beginning in °C | | Temp of thermometer with wet cotton ball after fanning in °C | | Total Temperature difference for thermometer with wet cotton ball in °C | |

Which thermometer had a lower temperature after the activity?

7. How does this activity relate to the role of skin in regulating body temperature?

8. List 3 things that you can do to help your skin stay healthy?

9. Many teens get acne. What causes acne and what can be done to fight it?
