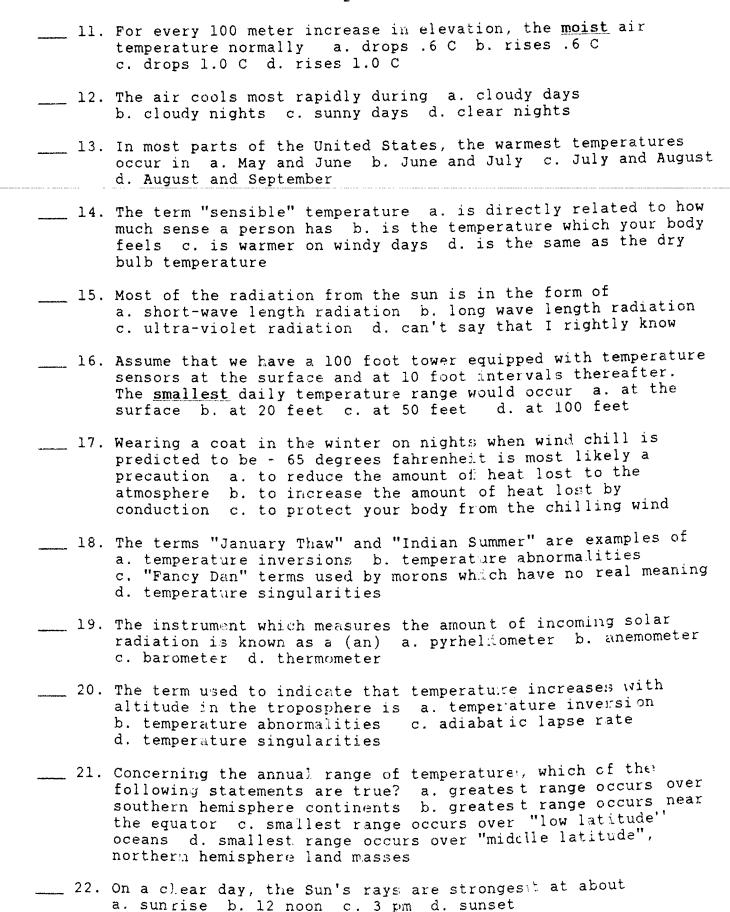
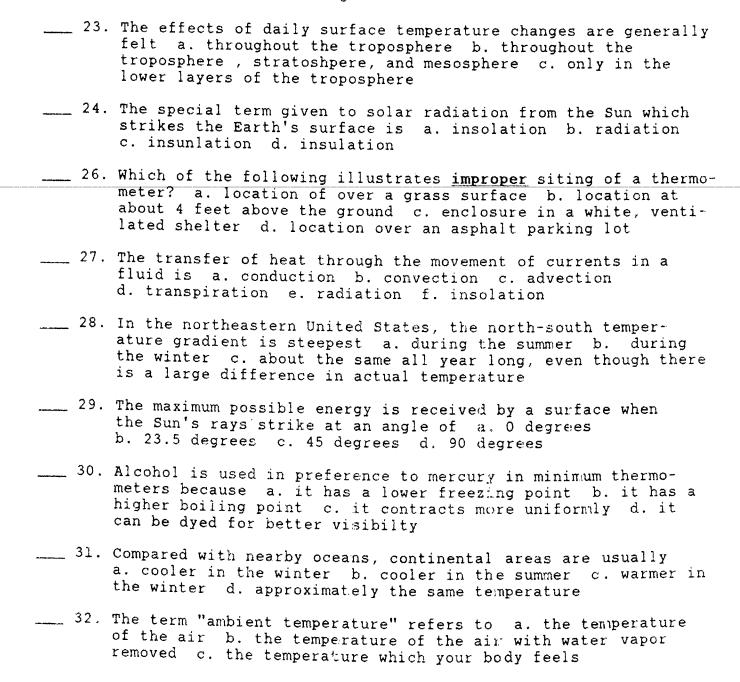
| Group Study Unit on Temperature Name | | | | |
|--|---|-------------------|---|--|
| Student # METEOROLOGY | | | | |
| l. Ca | 1. Calculate the "Wind Chill": | | | |
| | a Temp | . is 15 F and w | ginds are 36 mph. | |
| | b Temp | . is (-) 25 F a | nd winds are 25 mph. | |
| 2. <u>of</u> | high humidity and h | compares the co | mbined effects harmful effects on the body. | |
| 3 | are line | s connecting po | ints of equal temperature. | |
| ra | Calculate the mean daily temperature, and the temperature range for the day using the following temperatures: minimum temperature was 22 F. and maximum temperature was 56 F. | | | |
| a. Mean Daily Temperature | | | | |
| | b. Tempera | ature Range | | |
| 5. Which area of the world holds the record for: | | | | |
| a. | Coldest temperature | Pl | ace | |
| b. | Warmest temperature | Pl | ace | |
| 6. Calculate the "Heat Stress Index for the following: | | | | |
| Heat Stress Index Temperature Humidity | | | | |
| | a | 85 F | 85% | |
| | b | 90 F | 90% | |
| Multiple Choice | | | | |
| 7. | 7. Which type of thermometer responds most rapidly to changes in temperature? a. bimetal b. Bourdon c. liquid in glass d. electrical | | | |
| 8. | 8. Which type of thermometer does your home heating system use to regulate your home's temperature? a. bimetal b. Bourdon c. liquid in glass d. electrical | | | |
| 9. | | er and Decembe: | s, the coldest temperatures r b. December and January ary and March | |
| 10 | . On a clear spring d a. 9 am b. 12 no | lay , the warmes | st hour is most likely to be d. 6 pm | |





This Study Unit was formulated by A.D. Vlahon, MLHS, May of 19508.