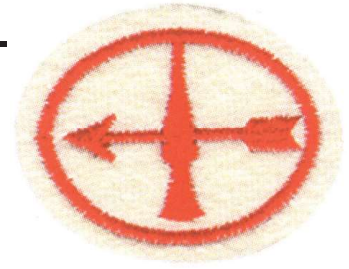


Weather



1. Explain how each of the following is formed:
 - a. Fog
 - b. Rain
 - c. Dew
 - d. Snow
 - e. Sleet
 - f. Hail
 - g. Frost
2. Identify either in the sky or from pictures the following types of clouds: cirrus, cumulus, stratus, nimbus. What kind of weather is associated with each.
3. Explain the action of a mercury or spirit thermometer, a mercury barometer, an aneroid barometer, and a rain gauge.
4. Why is it possible to be rainy on one side of the mountain range and dry on the other? Give an illustration for your country or region.
 - a. Why is it cooler and more moist in the mountains than in the lowlands?
 - b. From which direction do rain and clear weather usually come in your locality?
5. Show with the help of a diagram how the earth's relationship to the sun produces the seasons.
6. What causes lightning and thunder? What different kinds of lightning are there?
7. Show with the help of a diagram what a convection is. What is its relation to winds?
8. Explain how radar, satellites, and computers are used in weather forecasting.
9. Tell how the following can affect our weather:
 - a. Jet stream
 - b. Volcano eruption
10. Make a drawing showing the water cycle in weather.
11. Make a simple wind vane or rain gauge.
12. Keep a weather chart for one week and record readings at 12-hour intervals. Include the following:
 - a. Temperature
 - b. Moisture (dew, fog, rain, frost, or snow)
 - c. Cloud formation
 - d. Wind direction

Skill Level 1

Original Honor 1944