

10. What is the orientation of the ice crystals that produce a halo? Sun Dogs?
11. What gives the Glory its name?
12. How are the colors of the corona produced?
13. Describe the relative positions of the observer, the optical phenomenon, and the illuminating body for each of the following:
- a. Rainbow
 - b. Halo
 - c. Glory
 - d. Corona
 - e. Sun Dogs

14. At what time of day, if any, can each of the optical phenomena listed in the above question be observed?

15. What types of particles are found in the clouds that generate each of the optical phenomena listed:

- a. Rainbow
- b. Halo
- c. Glory
- d. Corona
- e. Sun Dogs

16. Define the following terms by using your book and/or the web site at www.rsffa.com, go to Meteorology link and play the hangman game

- a. corona --
- b. diffraction--
- c. dispersion –
- d. fata morgana –
- e. glory –
- f. halo –

- g. inferior image --
- h. interference –
- i. internal reflection–
- j. law of reflection–
- k. looming –
- l. mirage–
- m. rainbow–
- n. refraction –
- o. sundog –
- p. sun pillar –
- q. superior image –
- r. towering –
- s. optics –
- t. illusion --