

Name: \_\_\_\_\_ Troop: \_\_\_\_\_ Campsite: \_\_\_\_\_

**Components and Safety**  
*Module 2 of the Radio Merit Badge Class*

2-1. In the space below, draw a block diagram of an Amateur Radio station. Include the following: Microphone, transceiver, amplifier, feedline, and antenna.

6b



2-2. In the blocks below, draw and label schematic symbols for 8 electronic components:

6d


2-3. Explain the electrical properties of three of the components you drew:

- .....
- .....
- .....6d

2-4. Explain the difference between a block diagram and a schematic diagram.

.....  
.....6a

2-5. What is a CLOSED CIRCUIT? .....

.....6c

2-6. What is an OPEN CIRCUIT? .....

.....6c.

2-7. What is a SHORT CIRCUIT? .....

.....6c

2-8. In the spaces below, list the some radio safety rules:

5

1.
2.
3.
4.
5.
6.
7.

