

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

**Introduction To Radio**  
*Module 1 of the Radio Merit Badge Class*

1-1. What is radio? .....  
.....1

1-2. What is broadcast radio? .....  
.....1

1-3. What kind of information is transmitted out over broadcast radio? .....  
.....1

1-4. What is 2-way radio? .....  
.....1

1-5. Who uses 2-way radio? .....  
.....1

1-6. What is Amateur Radio? .....  
.....1

1-7. What are three important uses for Amateur Radio? .....  
.....7a1

1-8. What is a call sign? .....  
.....1

1-9. What are the FCC and ITU? .....

.....3d

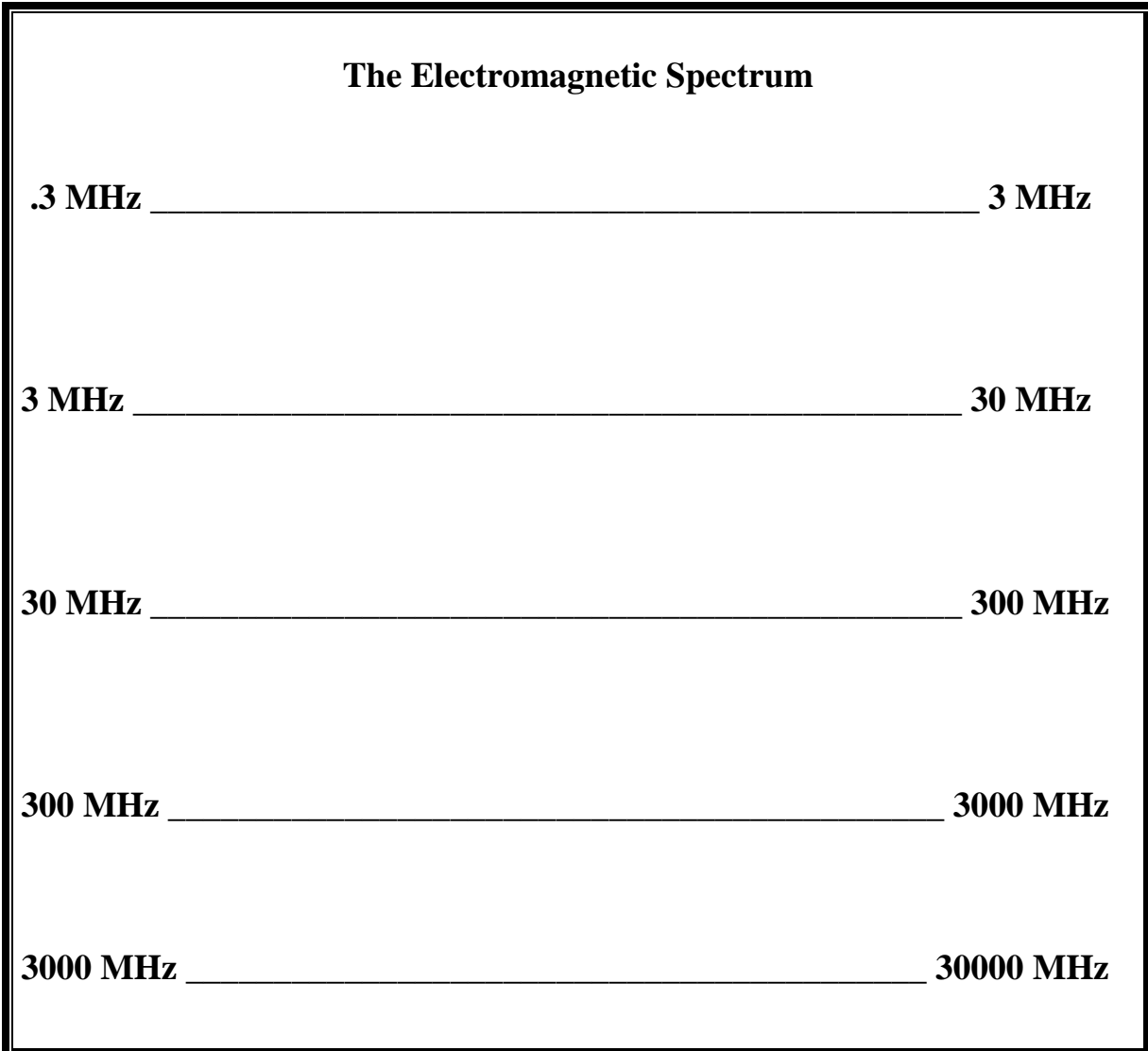
1-10. What are phonetics? .....

.....1

1-11. In the space below, draw a diagram of the ELECTROMAGNETIC SPECTRUM from 100 Kilohertz to 1000 Megahertz. Include the following in your drawing:

- Label the MF, HF, VHF, and UHF portions of the spectrum.
- Mark at least 8 radio services such as AM and FM broadcast bands, CB, television, at least 4 ham radio bands, and a police / fire band.

3a,b,c,d



1-12. Explain how you might use WWV to learn how what you might hear on the short-wave radio bands.

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.....2

1-13. In the space below, illustrate how radio waves travel locally and around the world.

2

