1. Discuss with your counselor the influence that EIGHT of the following people had on the history of medicine:

- a. Hippocrates
- b. William Harvey
- c. Antoine van Leeuwenhoek
- d. Edward Jenner
- e. Florence Nightingale
- f. Louis Pasteur
- g. Gregor Mendel
- h. Joseph Lister
- i. Robert Koch
2. Explain the Hippocratic Oath to your counselor, _______________

and compare to the original version to a more modern one. _______________

Discuss to whom those subscribing to the original version of the oath owe the greatest allegiance. _______________

3. Discuss the health-care provider-patient relationship with your counselor, _______________
and the importance of such a relationship in the delivery of quality care to the patient.

Describe the role of confidentiality in this relationship.

4. Do the following:
a. Describe the roles the following people play in the delivery of health care in your state. (Note: Not all may exist in your state.)
   1. Physician
   2. Chiropractor
   3. Optometrist
   4. Podiatrist
   5. Pharmacist
   6. Psychologist
   7. Physician’s assistant
   8. Nurse practitioner
   9. Nurse-midwife
   10. Registered Nurse
   11. Licensed vocational/practical nurse
   12. Medical assistant
   13. Emergency medical technician
   14. Medical laboratory technologist
15. Radiologic technologist

16. Physical therapist

17. Occupational therapist

18. Respiratory therapist

b. Describe the educational and licensing requirements for five of those in 4a—other than 4a(1)—practicing health care in your state.

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<th>Health Care Practitioner</th>
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5. a. Tell what is meant by the term "primary care" with regard to a medical specialty.

Briefly describe the types of work done by physicians in the following "core" specialties:

1. Internal medicine*

2. Family practice*

3. Obstetrics/gynecology*

4. Pediatrics*

5. Psychiatry

6. Surgery

b. Describe the additional educational requirements for these specialties.

1. Internal medicine*
2. Family practice* _____________________________________________________________

3. Obstetrics/gynecology* ______________________________________________________

4. Pediatrics* ___________________________________________________________________

5. Psychiatry ____________________________________________________________________

6. Surgery _______________________________________________________________________

6. a. Briefly describe the types of work performed by physicians in FIVE of the following specialties or subspecialties:

☐ 1. Allergy/immunology __________________________________________________________

☐ 2. Anesthesiology ______________________________________________________________

☐ 3. Cardiovascular disease ______________________________________________________

☐ 4. Colon and rectal surgery _____________________________________________________

☐ 5. Dermatology ________________________________________________________________

☐ 6. Emergency Medicine _________________________________________________________

☐ 7. Endocrinology and metabolism ______________________________________________

☐ 8. Gastroenterology ____________________________________________________________

☐ 9. Geriatric medicine __________________________________________________________

☐ 10. Hematology/oncology ______________________________________________________

☐ 11. Infectious disease __________________________________________________________

☐ 12. Nephrology ________________________________________________________________

☐ 13. Neurological surgery _______________________________________________________

☐ 14. Neurology ________________________________________________________________

☐ 15. Nuclear medicine __________________________________________________________

☐ 16. Ophthalmology _____________________________________________________________

☐ 17. Orthopedic surgery _________________________________________________________

☐ 18. Otolaryngology/head and neck surgery __________________________________________

☐ 19. Pathology _________________________________________________________________

☐ 20. Physical medicine and rehabilitation __________________________________________

☐ 21. Plastic, reconstructive, and maxillofacial surgery ________________________________

☐ 22. Preventive medicine _________________________________________________________

☐ 23. Radiology _________________________________________________________________

☐ 24. Rheumatology ______________________________________________________________
25. Thoracic/cardiothoracic surgery

26. Urology

27. Vascular surgery

b. Describe the additional educational requirements for the five specialties or subspecialties you chose in 6a.

7. a. Visit a physician's office,** preferably one who delivers "primary care." (This may be that of your counselor). Discuss the components of a medical history and physical examination (an official BSA health form may be used to guide this discussion),

and become familiar with the instruments used.

b. Describe the characteristics of a good diagnostic test to screen for disease (e.g. routine blood pressure measurement).

Explain briefly why diagnostic tests are not perfect.

c. Show how to take a blood pressure reading and a pulse reading.

8. Do the following:

a. Discuss the roles medical societies, the insurance industry, and the government play in influencing the practice of medicine in the United States.

b. Briefly tell how your state monitors the quality of health care within its borders, and how it provides care to those who do not have health insurance.

9. Compare and discuss with your counselor the health care delivery systems in the United States,
10. Serve as a volunteer at a health-related event or facility in your community (e.g. blood drive, "health fair", blood pressure screening, etc.) approved by your counselor.

* "Primary care" specialties ** If this cannot be arranged, demonstrate to your counselor that you understand the components of a medical history and physical, and discuss the instruments involved.

**Online Resources** (Use any Internet resource with caution and only with your parent’s or guardian’s permission.)

**Boy Scouts of America:** ► scouting.org ► Guide to Safe Scouting ► Age-Appropriate Guidelines ► Safe Swim Defense
 ► Scout ► Tenderfoot ► Second Class ► First Class ◈ Rank Videos ◈ Safety Afloat

**Boy Scout Merit Badge Workbooks:** usscouts.org -or- meritbadge.org ** Merit Badge Books:** www.scoutstuff.org

**American Medical Association:** http://www.ama-assn.org Centers for Disease Control: http://www.cdc.gov


**National Institutes of Health:** http://nih.gov