PART 1 Activity: Identify intravenous (IV) fluids and medications.

1. What is aseptic technique?

2. What is a laminar-airflow hood, and why is it used?

3. What is the difference between a horizontal and a vertical laminar-airflow hood?

4. Name one type of medication for which you would prefer to use a vertical laminar-airflow hood over a horizontal laminar-airflow hood?

5. What is a biological safety cabinet (or “isolator”)?
6. In what instances are IV filters required? And why are filters needed?

7. List one IV medication that requires a filter in order to be infused.

8. List one IV medication that must be refrigerated.

9. List one IV medication that must be protected from light.

10. Find one premixed IV medication. List the medication, concentration, volume, and expiration date below.

11. List one source that can be used to find compatibility/stability information for IV medications.

12. Explain the proper technique for opening a glass ampule.
PART 2 Activity: With your preceptor, prepare an intravenous admixture using aseptic technique.

13. With the help of your preceptor, find a label and prepare an IV admixture. (i.e. KCl bolus, antibiotic – vancomycin, azithromycin, ceftriaxone, “banana” bag, heparin or insulin infusion, cardiac infusion, vasopressor – norepinephrine, dopamine, amiodarone, etc.)

14. What IV fluid was used?


15. What was admixed?


16. Did the admixed ingredient require a diluent? If so, what was the diluent?


17. What is the expiration date of this admixture at room temperature? At refrigerated temperatures? At freezing temperatures?


