Questioned Documents, Glass and Soil Review

Answer these on a separate sheet of paper or on the back.

1. Define exemplar and give an example of how one is used.
2. Distinguish between forgery and fraudulence and provide examples of each.
3. Summarize the three basic steps in handwriting analysis.
4. Describe four different characteristics of handwriting that experts analyze during a forensic investigation.
5. What features of paper currency make it possible to distinguish genuine money from counterfeit?
6. Describe how counterfeiting pens work by telling the reaction on real money vs counterfeit.
7. Describe the order of events that occur when a glass object is impacted and breaks.
8. What are radial, concentric and boundary fractures? Draw a glass fracture pattern and label each fracture type.
9. What is refraction? Describe how refractive index is used in forensic cases.
10. What is a Becke line and why does it form?
11. Explain the process of using the submersion method to identify a piece of glass.
12. What is the difference between plain and tempered glass? How can the properties of glass be changed?
13. What are common ways to differentiate soils and what is one important factor?
14. What are some types of soil testing?
15. What is soil made of? Are there different layers?
16. What is weathering and what does it create? Are there different types? Do they occur at different rates (speeds)?