1. Review parts of the urinary system. What are the functions of this system? What is the structure of the nephron? What activities happen there. Explain filtration, reabsorption, and secretion.

2. How would urine be different from normal if a person were dehydrated, if their blood was acidic, if they had diabetes? Is it normal to have proteins or glucose in the urine? Why or why not. Where do kidney stones form? Why are they so painful?

3. Explain the structure and function of the ureters, bladder, and urethra. How does urine get moved through these structures. How much urine does the bladder hold. How does the micturition reflex work in conjunction with the internal urinary and external urinary sphincters?

4. Describe the parts of the skeletal system. Draw or describe the structure of dense (compact) and spongy (cancellous) bone. Where do these bony tissues exist in bones? What are osteons, osteocytes, osteoblasts, and osteoclasts?

5. Describe the structure of a long bone: shaft, epiphysis, epiphyseal plate, periosteum. How do bones develop in the fetus? What factors contribute to good bone health and remodeling? Describe some of the diseases of bones. Explain why and how a male pelvis is different from a female pelvis. Explain how who could guess the age of a skeleton.