

1. Please describe the process of long bone repair after a fracture! (15%)
2. Please draw and describe ten layers of the retina and possible functions! (15%)
3. Please describe the structures and functions between red blood cells, leukocytes, and platelets! (10%)
4. Please describe the structure differences between esophagus, stomach, small intestine and large intestine! (20%)
5. Please describe in detail how proteins are transported into nucleus, across membrane (mitochondria and endoplasmic reticulum), and by vesicles, respectively! (20%)
6. How does a HIV transfect cell? (10%)
7. Please describe Endocytosis and Exocytosis in detail! (10%)