**Name and describe the different components of blood:**

**Describe (compare and contrast) how oxygen and carbon dioxide are transported in the blood:**

**Label the diagram of the heart. Track the flow of blood through the heart and indicated whether the blood is oxygenated or deoxygenated:**



**Compare the structure of arteries, capillaries and veins:**

**Describe the cardiac cycle:**

**Name the antigens and antibodies present in each of the ABO Blood groups. Indicate which blood groups can donate to each other:**

**Explain what is meant by double circulation. Why is it beneficial?**

**Label the respiratory system below. Name the function of each structure:**



**Describe the process of inspiration and expiration:**

**Draw a diagram showing gas exchange in the alveoli:**

**Name and describe the features that gas exchange structures have in order to exchange gasses efficiently:**

**Label the digestive system. Give the function of the structures labelled:**



**Name the two types of digestion that exist. Indicate where these two types of digestion occur:**

**Label the villi below. Indicate the substances that are absorbed in each part and the method of transport involved:**



**Name the three types of digestive enzymes, the organ that produces them, the location (organ) they work in, the substances they break down, the products they produce:**

**Describe the process of deamination in the liver:**

**Label the nephron and describe what occurs at each location:**



**Describe the relationship between structure and function of the kidney:**

**Draw a diagram of the sliding filament model below:**

**Muscles work in antagonistic pairs. Explain what is meant by this using examples:**

**Describe what is meant by muscle tone. Why is it important?**

**What is the function of the skeleton?**

**Draw a diagram of the microscopic structure of compact bone:**

**Name the 3 different types of joints. Describe the type of movement they allow and indicate when in the body they are found:**

**Draw a diagram of a synovial joint:**

**Draw a diagram showing flexion, extension abduction and adduction. Try to explain what is happening in the diagram:**

**Compare and contrast osteoporosis and osteoarthritis:**

**Draw a labelled diagram of a long bone:**