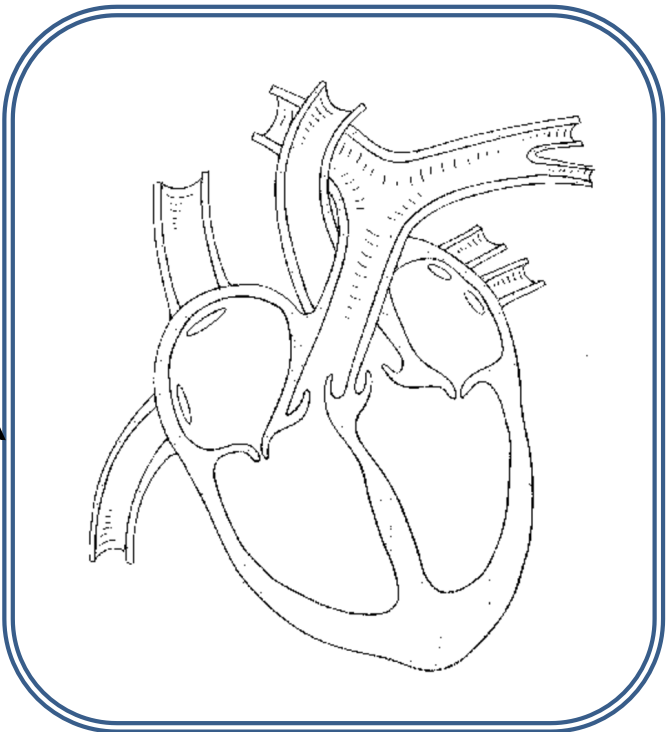


Label the heart adding **SAN (PACEMAKER)** and **AVN**. Add arrows to show the **direction of impulses** across the heart.

Label the heart - name each **chamber**, name the **arteries/veins that flow out of/into** the heart and **heart valves**. Use coloured pencils to show the location of **deoxygenated (blue)** and **oxygenated (red) blood**.



Unit 2 KA6: Structure and Function of the Heart

- 1
- 2

Name the 2 branches of the **autonomic system**, their **impact on heart rate** and the **neurotransmitter** used.

The **autonomic system** (and so heart rate) is controlled by which part of the **brain**

The **sympathetic nerve** stimulates the **release of the hormone**

Complete the table showing the **state of the valves** during the cardiac cycle

<i>Stage of Cardiac Cycle</i>	<i>Valves Open</i>	<i>Valves Closed</i>
Atrial systole		
Ventricular systole		
Diastole		

Give the Calculation for **Cardiac Output**

What is used to measure **blood pressure**

Hypertension can be a **risk factor** for the disease

What is the **typical blood pressure** reading for a young adult?