

YEAR 12 REVISION LIST FOR JUNE 2022 EXAM

1. *EXCHANGE & TRANSPORT IN ANIMALS:*

- Formation & return of tissue fluid
- The cardiac cycle & pressure changes during (graph)
- Diagnostic ECG traces
- Transport of CO₂ by the red blood cells (just the chloride shift)
- Interpretation/calculations from spirometry traces
- Open vs closed & single vs double circulatory systems
- Adaptations of different types of blood vessels
- Heart dissection PAG

2. *EXCHANGE & TRANSPORT IN PLANTS:*

- Potometer PAG: measuring rate of transpiration
- Locations of vascular tissues in plants & identification of these from microscope pictures
- The need for transport systems in plants
- Water transport pathways across the root
- Data interpretation: error bars and standard deviations

3. *MITOSIS:*

- Simply the events of each of the stages (not cell cycle, just mitosis)

4. *HEALTH & DISEASE:*

- Barriers of defence
- Types of pathogen & diseases they cause
- Cell-mediated response
- Data interpretation

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