

## KEY LEARNING POINTS

### HAEMOSTASIS

### CARDIOVASCULAR SYSTEM

The materials provided (lecture notes and images) should allow you to answer the following questions.

- What is meant by the term **haemostasis**?
- What are the key events in formation of the **primary haemostatic plug** following injury to a blood vessel?
- What is meant by the terms **platelet adhesion**, **secretion** and **aggregation**?
- Why is von Willebrand's factor important in primary haemostasis?
- What are the key events in formation of the **secondary haemostatic plug** following injury to a blood vessel?
- What is meant by the terms **intrinsic**, **extrinsic** and **common coagulation cascades**? What activates the intrinsic and extrinsic cascades?
- Which is considered to be more important in activation coagulation *in vivo*: the intrinsic or the extrinsic pathway?
- Why can an animal be deficient in some intrinsic system coagulation factors and yet not be predisposed to haemorrhage?
- What are the major regulatory mechanisms that oppose haemostasis? Are all of these mechanisms essential?
- What is meant by the terms **fibrinolysis**, **fibrin degradation products**, **plasmin** and **plasminogen activators**?