Haemostasis:
• Arrests bleeding
• initiates repair of blood vessels
• Maintains vascular integrity - after wear and tear

3. Coagulation
• thrombin activates cofactors V, VIII (which are not enzymes) - positive feedback
• Ca^{2+} is coagulation factor IV
• Coagulation is localized to platelets, and cells expressing tissue factor
• artificial heart valve may activate intrinsic pathway
• TFPI (Tissue Factor Pathway Inhibitor) subsequently inhibits coagulation