

## What discoveries did Harvey make?

Create a symbol to help remember each discovery then explain the significance of that discovery.

**Stretch:** Judge the extent of the significance of the discovery in both the short and long term.

Discovery	Symbol	Why was this significant?
<p><b>Discovered the direction which blood circulates and heart valves</b></p> <p>Harvey discovered that the blood flows in only one direction not both.</p> <p>At Padua he had learned Vesalius' theory that veins contained valves (proof that blood flowed towards heart). Harvey proved this theory correct - he used dissected bodies to try to pump liquids in different directions. This research proved Galen's theory was wrong.</p>		
<p><b>Discovered that the heart acted as a pump for blood</b></p> <p>Inspired by the fire engine pump (technology), Harvey discovered that the heart was a pump which pumped blood around the body (circulation).</p>		
<p><b>Discovered that blood was not made in the liver</b></p> <p>He proved Galen's theory that blood was made in the liver was wrong. The liver does not also keep on making blood.</p>		

Discovery	Symbol	Why was this significant?
<p><b>Discovered that there were differences between the arteries and veins but they were all linked together in one whole system.</b></p> <p>Therefore, blood must pass from arteries to veins through tiny passages (invisible to naked eye), today known as capillaries.</p> <p>This proved Galen was wrong as he said blood flowed from one side of the heart to the other through invisible pores.</p>		
<p><b>Discovered that veins only carried blood.</b></p> <p>Harvey proved that the veins only carried blood.</p> <p>This proved Galen wrong. He had said veins also contained the 'breath of life' (air breathed and soul) whilst the arteries just carried blood.</p>		

