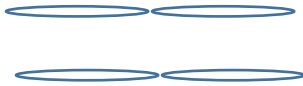


Heart SL

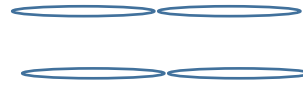
1. _____ convey blood at _____ pressure, and always carry blood _____ from the heart. They have a thick _____ and _____ wall that helps maintain _____ pressure between heart beats. _____ carry blood at _____ pressure, and always carry blood _____ the heart. They have _____ to prevent the _____ of blood.

2. Gases are exchanged in small blood vessels called _____. Complete the diagrams below by adding red blood cells and indicating movement of _____ and _____ gases.

LUNG



BODY TISSUE



3. Draw the heart. You must label all the chambers, valves, and vessels to and from the heart.

4. We have _____ circulation because the blood goes through heart _____ in each circulation. There is separate circulation for the _____. This was discovered in part by _____.

5. The heart beat is initiated at the _____ node which is located on the _____
_____. The signal travels through the wall of the _____ first, followed by the
_____. It is called nature's _____. It is controlled by the _____
in the brain. One nerve _____ the heart rate, and another _____ it. The
hormone, _____, can also impact the heart rate by _____ it.

6. If the _____ arteries are blocked, this is called _____. In common terms we say heart _____ . This can be brought on by a diet high in _____ , _____ , _____ and genetic factors. It can be treated with _____ or _____ surgically.