

Discipleship:  
An  
Introduction to  
Systematic Theology and  
Apologetics

The Doctrines of Creation:

The Heights Church May 8, 2016

# Intelligent Design: Evolution vs Genesis 1:3 - 31

**There are three classic arguments for the existence of God.**

- 1. The Ontological Argument: God has the power of being.**
- 2. The Cosmological Argument proceeds via Cause and Effect from the existence of the universe to conclude an eternal being created the universe out of nothing.**
- 3. The Teleological Argument: The universe was created by an intelligent being because of the order of the universe (Romans 1:19-20)**

# Intelligent Design: Evolution vs Genesis 1:3 - 31

With **any** Teleological argument (Intelligent Design in today's vocabulary) the fundamental question is whether or not the **subject** is the product of a succession of random, purposeless events or if reason requires a purposeful, intelligence that lies behind the origin of the subject.

**For the wrath of God is revealed from heaven against all ungodliness and unrighteousness of men, who by their unrighteousness suppress the truth. For what can be known about God is plain to them, because God has shown it to them. For his invisible attributes, namely, his eternal power and divine nature, have been clearly perceived, ever since the creation of the world, in the things that have been made. So they are without excuse. Romans 1:18-20**

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In considering the human heart example continually ask yourself two questions:

1. Could the four chamber human heart arise purely by an undirected cascade of random events?
2. Could the overall cardiovascular **system** arise independently purely by an undirected cascade of random events such that it perfectly operates with the four chamber heart?

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$$\mathbf{CO = SV \times HR}$$

CO = Cardiac Output (volume of blood pumped per minute)

SV = Stroke Volume (volume of blood pumped per beat)

HR = Heart Rate (number of beats per minute)

**In an average healthy adult at rest**

**CO ~ 5 liters/min.**

**SV ~ 71 ml/beat**

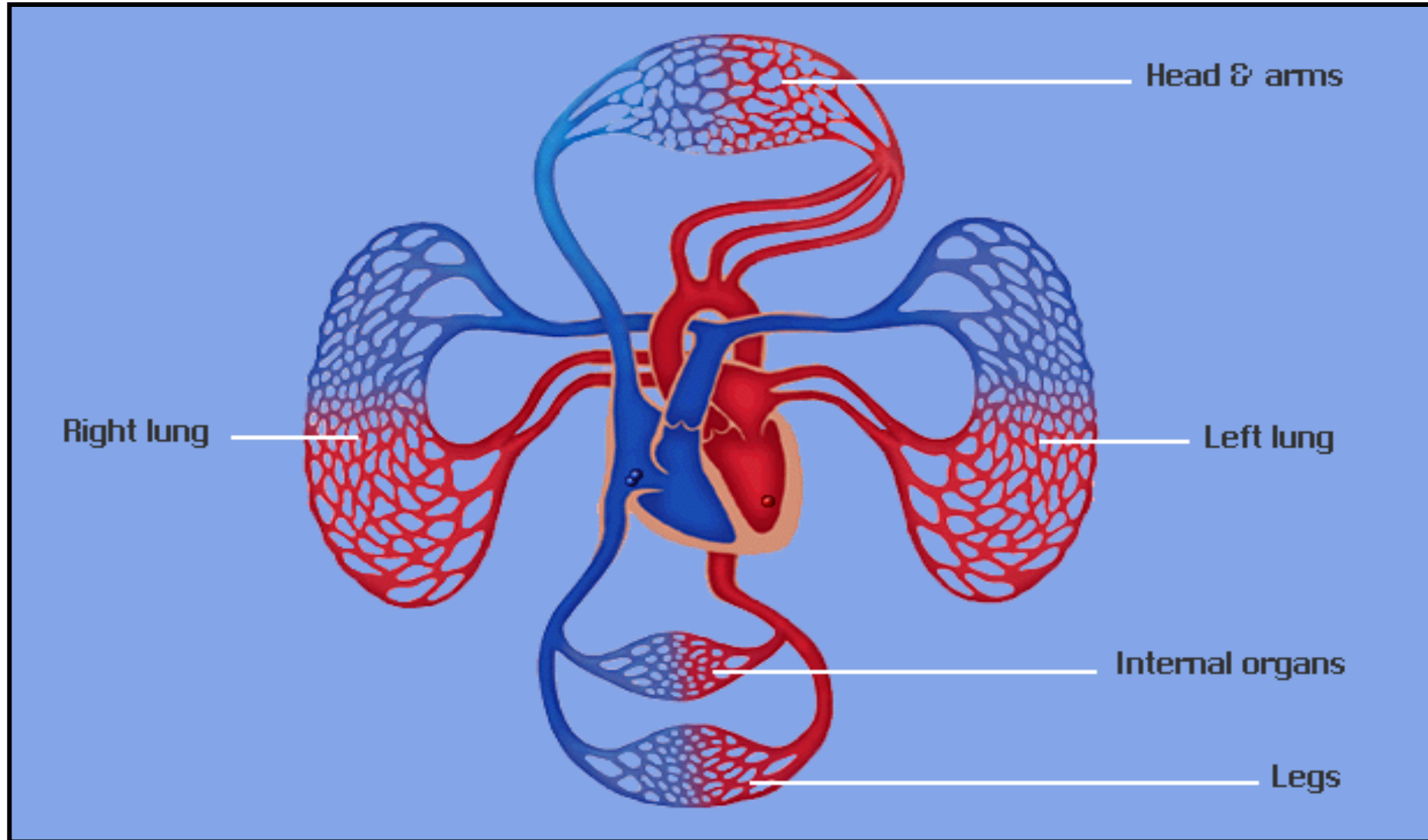
**HR ~ 70 beats/min.**

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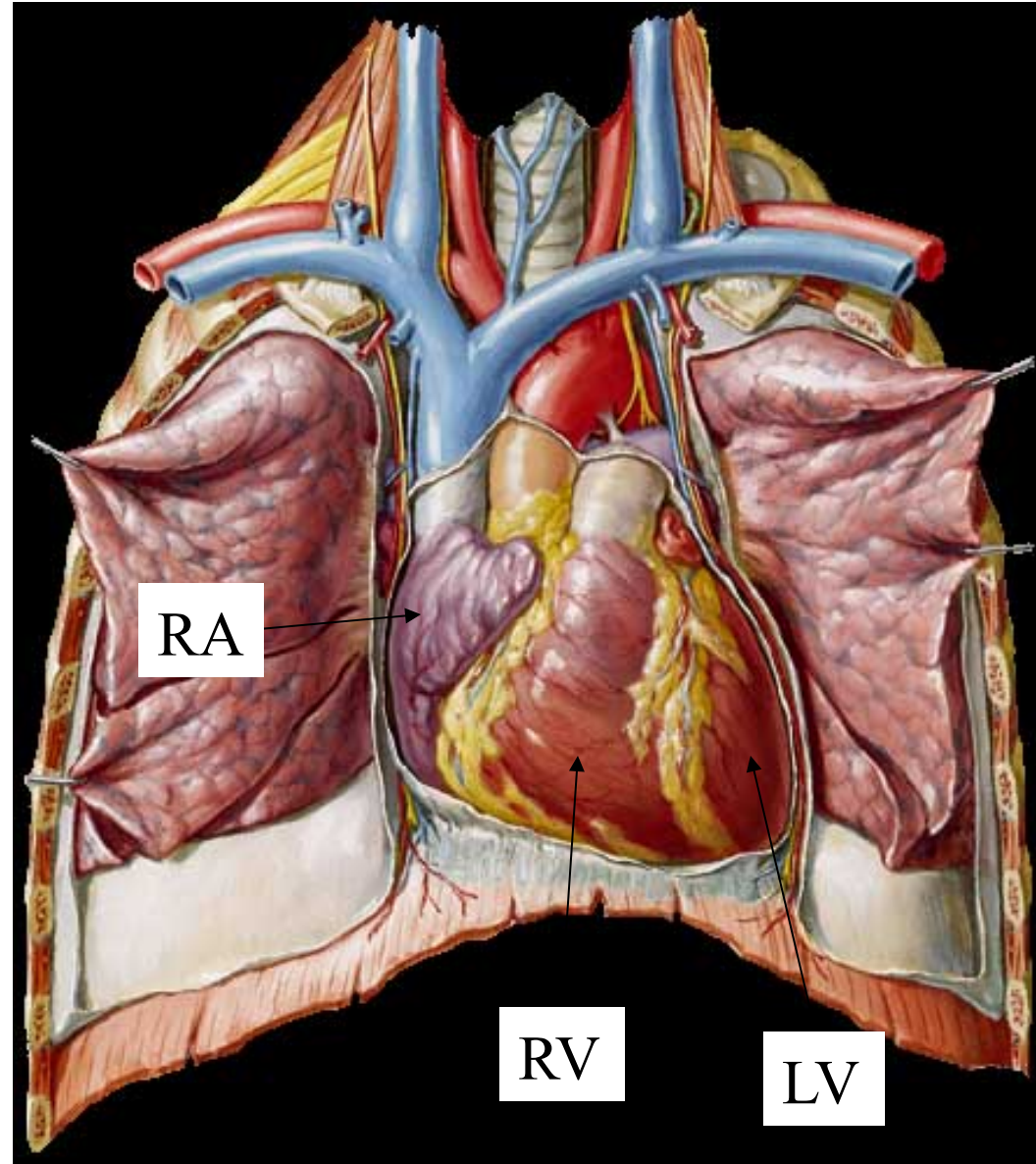
## Allocation of Cardiac Output (ml/minute)

<b>Organ</b>	<b>Rest</b>	<b>Walking</b>	<b>Jogging</b>	<b>Maximal</b>
<b>Brain</b>	750	750	750	750
<b>Heart</b>	250	350	750	1100
<b>Muscle</b>	1200	4500	12,500	22,000
<b>Skin</b>	500	1600	1900	600
<b>Kidney</b>	1100	900	600	250
<b>Abdomen</b>	1400	1100	680	300
<b>Other</b>	600	400	400	100
<b>Total C.O.</b>	5,800	9,600	17,580	25,100

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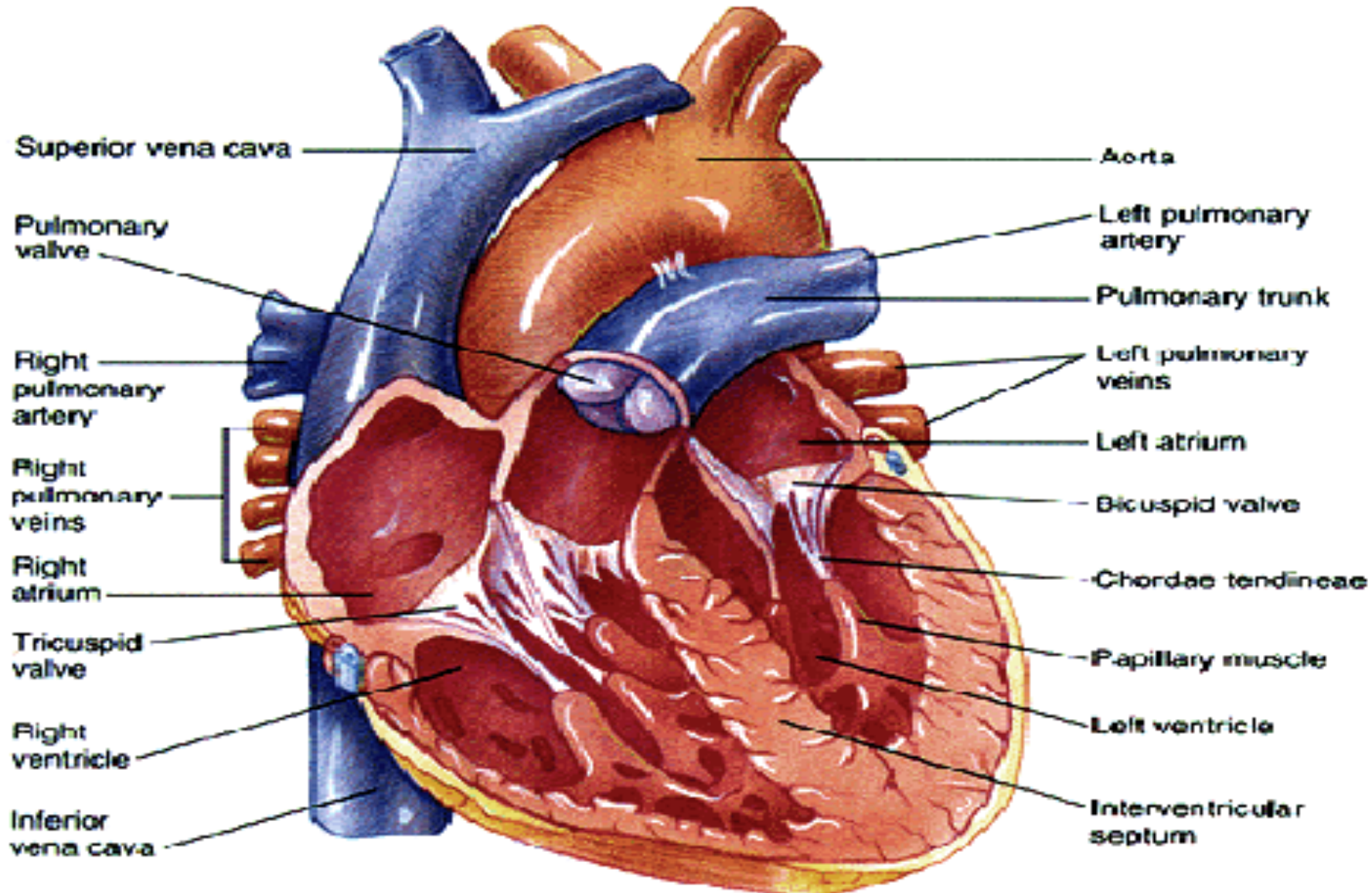


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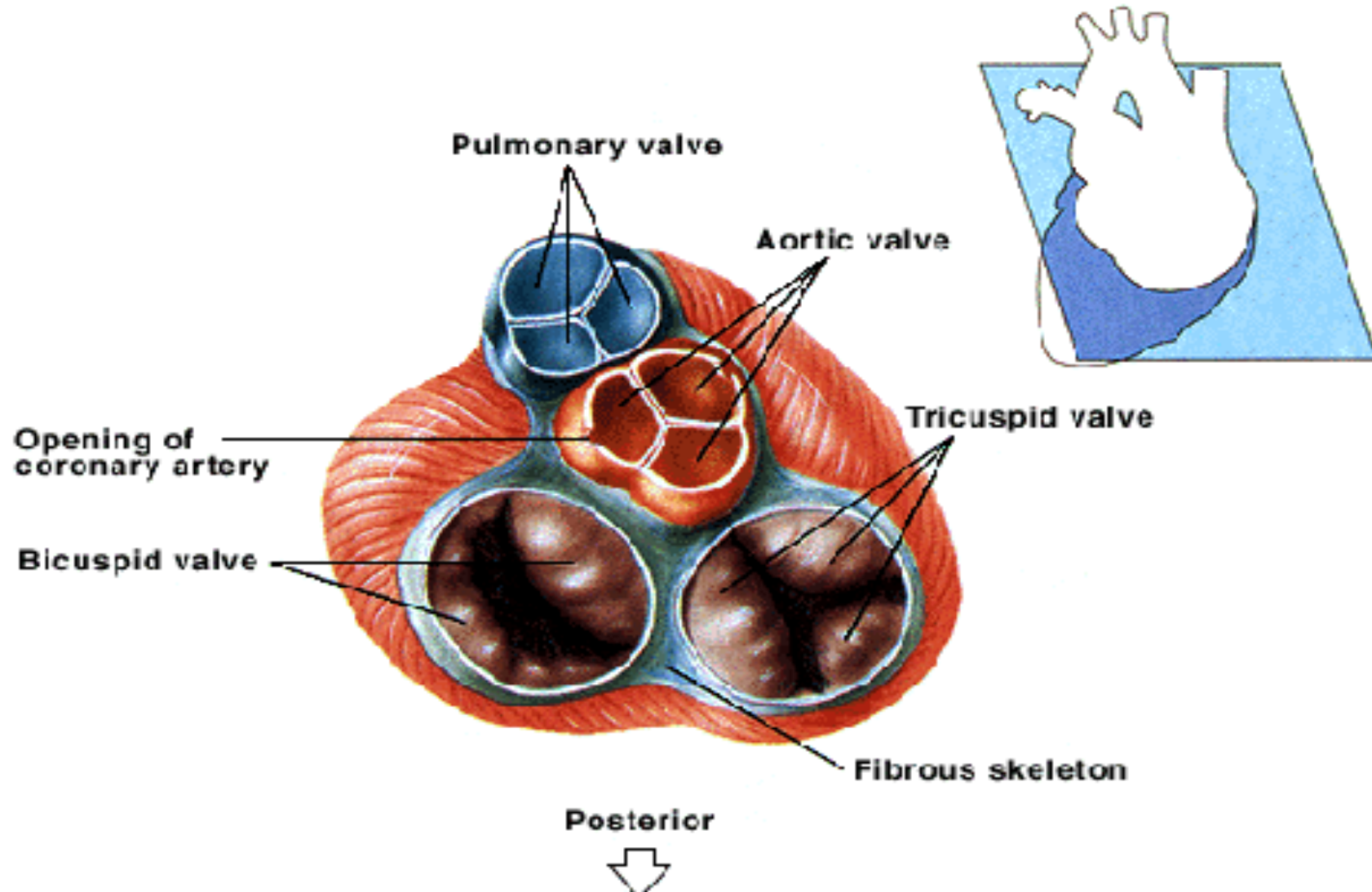




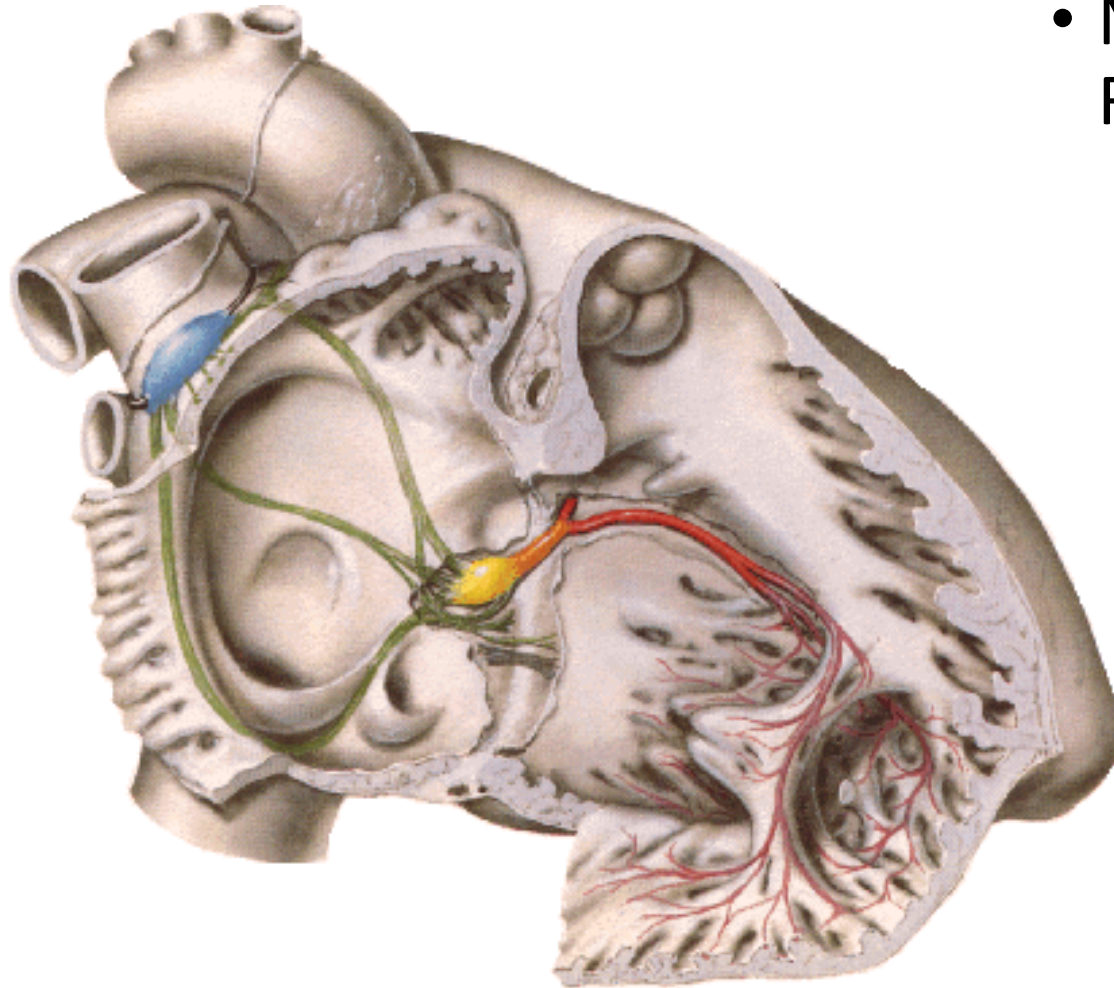
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- Note the location and Function of ...
  - SinoAtrial Node
  - Interatrial conduction system
  - AtrioVentricular Node & fibrous skeleton
  - Bundle of His
  - Bundle Branches
  - Purkinje Fibers
  - Cell to cell

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At 5 liters per minute the heart pumps  $60 \times 5 = 300$  liters per hour

X 24 hours per day = 7200 liters per day

X 365.25 days per year = 2,629,800 liters per year

X 80 years = 210,380,000 liters per life time

= 20 acre lake 8.5 feet deep (about 15 football fields including end zones)

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If the 210,380,000 liters was gasoline in a vehicle that got 20 miles per gallon you could drive 1.1 billion miles. (approximately 6 roundtrips from earth to the sun and back.)

If you drove continuously, averaging 60 mph, it would take 2091 years to complete the trip. Therefore, you would have had to leave in 75B.C. when Julius Caesar was 25 years old.