

Conceptual Biology

Chapter 14: Maintaining the Body

Circulatory System

Fill in the blanks:

1. Each heartbeat begins in a part of the right atrium called the _____,
or pacemaker.

The pacemaker starts an action potential that sweeps quickly through two chambers of the heart, the _____ and _____,
which contract simultaneously.

The signal also travels to the _____,
and from there to the other two chambers of the heart,
the _____
and _____.

These two chambers also contract simultaneously.



2. a. The sound of a heartbeat is “lub-dubb, lub-dubb.” What is the “lub”?

b. What is the “dubb”?

3. The three types of cells found in blood are _____,

_____, and _____.

_____ transport oxygen to the body’s tissues.

_____ are part of the immune system and help our bodies

defend against disease. _____ are involved in blood clotting.

4. The molecule in red blood cells that carries oxygen is called _____.

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Circulatory System—continued

Number from 1 to 9:

5. In what order does blood flow around the body? Begin with the right atrium.

- _____ Arteries to lungs
- _____ Right atrium
- _____ Left atrium
- _____ Veins from body tissues
- _____ Veins from lungs
- _____ Capillaries near body tissues
- _____ Arteries to body tissues
- _____ Right ventricle
- _____ Left ventricle

