



_____ Pathfinder's Name

Heart and Circulation

1. Describe the basic function of the following parts of the circulatory system:

heart _____

blood vessels _____

blood _____

lungs _____

2. Describe the major difference between arteries and veins.

What is a capillary and what is its function?

- 3. Identify two locations for measuring your pulse. Demonstrate your ability to accurately take someone's pulse.

- 4. Record your resting pulse rate, then exercise strenuously (ie jog, swim laps, climb stairs, etc.) for 10 minutes. Retake your pulse immediately after exercising, and then again after five minutes. Do this each day for one week recording your results on a chart or a graph. Did the exercise effect your heart rate?

- 5. Make a simple stethoscope and listen so someone's heart beat.

- 6. List at least five things you can do to keep your heart healthy. Put these into practice if you have not been doing so already.

1. _____
2. _____
3. _____
4. _____
5. _____

- 7. What is cholesterol and how is it related to arteriosclerosis?

- 8. What is a heart attack and what are its symptoms? How can CPR help?

9. What is an ECG and how is it used by a doctor?

10. Find five verses in the Bible that refer to your heart. Memorize two of them.

1. _____
2. _____
3. _____
4. _____
5. _____

Record for 1 week your resting heart rate then exercise strenuously (ie jog, swim laps, climb stairs, etc.) for 10 minutes. Retake your pulse immediately after exercising, and then again after five minutes. Do this each day for one week recording your results on a chart or a graph. Did the exercise effect your heart rate?

Day 1

Resting
Exercise
Heart rate
Heart rate

Day 2

Resting
Exercise
Heart rate
Heart rate

Day 3

Resting
Exercise
Heart rate
Heart rate

Day 4

Resting
Exercise
Heart rate
Heart rate

Day 5

Resting
Exercise
Heart rate
Heart rate

Day 6

Resting
Exercise
Heart rate
Heart rate

Day 7

Resting
Exercise
Heart rate
Heart rate