Modeling Blood Flow

Student quiz — Answer key

Directions: Circle the best answer for each question below.

1. Why do we have blood in our body?
   a. To move oxygen and nutrients through the body
   b. To control our body temperature
   c. To carry away products the body cannot use
   d. All of the above

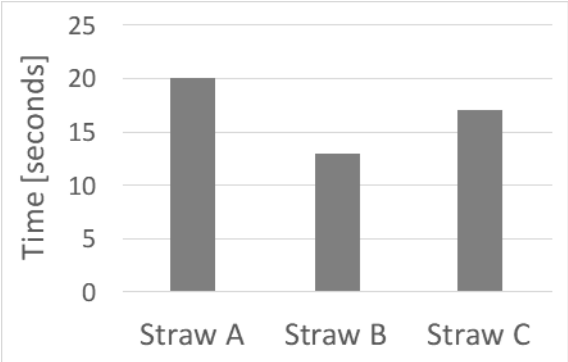
2. What happens when you have atherosclerosis, a type of heart disease?
   a. Your blood cannot take up any oxygen
   b. Your heart muscle gets weaker
   c. Your body builds up plaque in the arteries
   d. Your blood vessels break

3. What happens when plaque builds up in your arteries?
   a. Your heart rate slows down
   b. Less blood flows to your organs
   c. Your body temperature gets higher
   d. Nothing happens

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Directions: Circle the best answer for each question below.

4. You measured how much time it takes for water to flow out of three cups. Each cup started with the same amount of water, but a different width straw. Which cup had the widest straw?



   a. Straw A
   b. Straw B
   c. Straw C

5. How can you reduce your risks for heart diseases?
   a. Eat lots of fruits and vegetables
   b. Increase your amount of exercise
   c. Avoid eating lots of junk food
   d. All of the above