Year 6 Science: Blood, the heart and how food reaches every part of you

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. Which blood vessels carry blood away from the heart?

2. Where do digested nutrients get into the blood?

3. Why are capillary walls so thin?

4. Tama counts 18 beats in 15 seconds. What is his pulse in beats per minute?

5. An animation shows blood flowing. What is one thing it is not so good at showing?

Fix the mistake

6. Correct this statement: "Arteries carry blood to the heart and veins carry it away."

7. Correct this statement: "Blood in veins is blue."

8. Correct this statement: "Nutrients go straight from the stomach to the muscles."

9. Correct this statement: "The heart makes the blood."

Answer key (for parents and tutors)

1. Which blood vessels carry blood away from the heart?
   Arteries.
2. Where do digested nutrients get into the blood?
   In the small intestine, through the walls of its finger-like bumps.
3. Why are capillary walls so thin?
   So nutrients, oxygen and wastes can pass between the blood and the body cells.
4. Tama counts 18 beats in 15 seconds. What is his pulse in beats per minute?
   18 × 4 = 72 beats per minute.
5. An animation shows blood flowing. What is one thing it is not so good at showing?
   All the parts at the same time, so it is hard to see the whole system at once.
6. Correct this statement: "Arteries carry blood to the heart and veins carry it away."
   It is the other way round: arteries take blood away from the heart, and veins bring it back.
7. Correct this statement: "Blood in veins is blue."
   Blood is always red; veins only look blue because you see them through your skin.
8. Correct this statement: "Nutrients go straight from the stomach to the muscles."
   Nutrients pass into the blood in the small intestine, travel through the heart, and leave the blood through capillaries.
9. Correct this statement: "The heart makes the blood."
   The heart is a pump; it pushes blood round the body, but the blood is made elsewhere, inside your bones.