

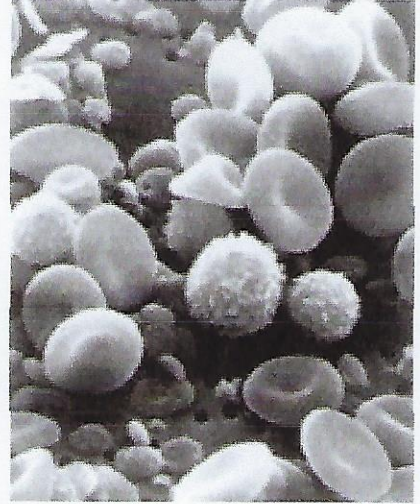
Name: _____

What Makes Up Your Body?

Caption: Cells in normal human blood

Your body has many different parts. You have hard bones. You have muscle. You have a brain, a stomach, and a heart. Your body needs all these parts to work properly.

Think about the different parts of your body. Your eyes, arms, and toes are very different from each other. Yet they are all alike in one way. All the parts of your body are made of cells. **Cells** are the smallest part of a living thing. They are called the building blocks of the body.



Billions of cells make up your body. You have blood cells and skin cells. You have bone cells and nerve cells. You have muscle cells, too. Each of these different kinds of cells does a different job in your body. Skin cells cover and protect your body. Blood cells carry oxygen and nourishment to each of your body's cells.

Groups of cells of the same kind form tissue. **Tissue** is a group of cells that look alike and do the same job. A group of bone cells forms bone tissue. A group of muscle cells forms muscle tissue.

A group of the same kind of tissues forms an organ. An **organ** is a group of tissues that work together to do the same job. The tissues in an organ work together to keep you alive. Your heart, lungs, stomach, eyes, and brain are some of your body organs.

Different organs in your body work together to do a job. Different organs working together are called a **system**. Your body has many systems. Each body system works to keep you healthy.

Your skeletal system (bones) and muscular system (muscles) work together to support and move your body. Your digestive system gets water and nutrients from the food you eat. The blood in your circulatory system carries oxygen, water, and nutrients to cells all through your body. The circulatory system must work with the respiratory system (lungs) to get oxygen. It must work with the digestive system (stomach and intestines) to get water and nutrients.

Think of your body and its different systems like different parts of a house. In a house, there is an electrical system that takes electricity to each room. You can flip on a light switch, and a light will come on in each different part of your house. There's a plumbing system. The plumbing system brings water to your kitchen and each bathroom. Part of the plumbing system is the pipes that take away waste water. When you wash your hands in the sink, the water goes down a pipe and is taken away. There's a heating and cooling system, too. Its job is to

keep the temperature just right so that you and your family feel comfortable.

Your body is made up of billions of cells. Many different kinds of cells make up the human body. Groups of cells work together to do different jobs. Cells form tissues. Tissues form organs. Organs form systems.

Questions

- _____ 1. The building blocks of the body are:
 - A. tissues
 - B. cells
 - C. systems
 - D. organs

- _____ 2. How many cells make up your body?
 - A. billions
 - B. thousands
 - C. millions

- _____ 3. A group of cells that look alike and do the same job form:
 - A. a system
 - B. a tissue
 - C. an organ

- _____ 4. A group of tissues that work together to do a job are:
 - A. a system
 - B. a tissue
 - C. an organ

- _____ 5. Different organs working together are called a:
 - A. tissue
 - B. system
 - C. cell

- _____ 6. Your body has _____ systems.
 - A. two
 - B. four
 - C. many

- _____ 7. The cells that make up tissues, organs, and systems are all the same kind of cells.
 - A. false
 - B. true

- _____ 8. A group of bone cells form bone _____.
 - A. systems
 - B. organs
 - C. organisms
 - D. tissue

- _____ 9. The heart is an example of:
 - A. a cell
 - B. a tissue
 - C. an organ
 - D. a system

- _____ 10. Which two systems work together to take oxygen to your cells?
 - A. digestive system and respiratory system
 - B. circulatory system and the respiratory system
 - C. muscular system and skeletal system