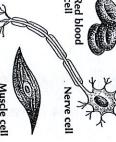
our box

Vho am I?

ody or fight off germs. convert food and oxygen ther body parts. Some ıp your skin, bones and nillion cells. Some make f about 50 million ells. Your body is made p of tiny units, called Il living things are made nessages around your joing. Others carry nto energy to keep you lepending on the job hapes and sizes, ells come in different iey do.



Muscle cel

MONY NOK AID

are the biggest cells. Female egg cells (ova) under a microscope. small to see except Most cells are too smaller than ova. cells are in your brain. letter "i". The smalles of the dot over this They are 100 times Each is about the size



The main parts of a cel

THE PROPERTY OF THE PROPERTY O

3. Nucleus 4. Mitochondria 2. Cytoplasm Cell membrane Golgi tubes Endoplasmic '. Lysosomes reticulum

1. Cell membrane The oxygen into the cell and cell's very thin, outer of the cell. "skin". It lets food and lets waste products out

cell. Other parts of the makes up most of the 2. Cytoplasm A jellycell float in it. ike substance which

genes, which tell the control unit. It carries 3. Nucleus The cell's keep it alive. instructions, called cell how to work and

> 4. Mitochondria The cell's power stations. proteins are made here reticulum The.cell's release energy from food. growth and repair. Proteins are used for They use oxygen to Endoplasmic

areas for proteins unti Golgi tubes Storage cell parts and keep out destroy old or diseased for chemicals which Lysosomes Containers he cell needs them. narmful substances

Tissue types



cells working together. nerve and bone tissue. Your body tissues include different types. The tiny same type or cells of skin, muscle, blood, are filled with a watery spaces between the cells They may be cells of the Tissues are groups of iquid which is called

Body organs

Organs are groups of working together form digestive system. systems, such as your six medium oranges together. They include tissues which work Groups of organs liver is the biggest organ. your heart and lungs. The In adults, it weighs over .5kg (3.3lb), as much as



Cell lifespans

constantly being replaced and renewed. Here you Some of your cells last a lifetime. Others are can see how long some cells live. Average lifespan

Cells lining smal Type of cell intestine

Skin cells Taste bud cells

Bone cells Red blood cells Nerve and brain cells Muscle cells

> 2-3 days 7 days

3 weeks Most last a lifetime 25-30 years 4 months

Some last a lifetime

help keep it stable.

Splitting up



old, new cells are splitting in two. A cel cells reproduce by new cells. Cells also

make you grow. Most constantly being made to to torm a pair of identical Until you are 18-20 years worn out cells. divide to replace dead or gets larger, then divides

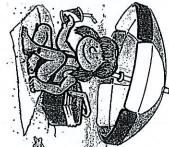




called Robert Hooke, an English scientist, existed until 1665. Then tirst suggested in 1839 are made of cells was made microscope. The examining under a homepiece of cork he was discovered tiny units in a No one knew that cells idea that all living things

Warm-blooded

sweating and shivering clothes, cool drinks, time. Normal body blooded. This means cells work best. Warm temperature at which our temperature is 37°C much the same all the Human beings are warm (98.6°F). This is the inside our bodies stays that the temperature



and therefore your By weight, your cells,

Amazing But True

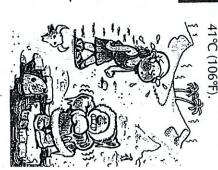
two-thirds water. This whole body, are almost

means that you contain

Highs and lows

about 11/2 large buckets enough water to fill

or if it rises above it falls below 25°C (77°F) dangerous. You can die if degrees, it can be very rises or falls by just a few If your body temperature



Cell Specialization In multicellular organisms

1.	How many cells make up the human body?	
2.	What determines the job that a cell will perform?	
3.	What are the largest human cells?	
4.	Tissues are groups ofworking together.	
	Organs are groups ofworking together.	
	Groups of organs working together make up	
	At what age do most people stop growing? What is the lifespan of the following cells? Small intestine Skin cells Red blood cells Bone cells Nerve/ Brain cells	
6.	Cell Theoryfirst discovered cells	,
	in 1665. He observed these tiny units in In	
	it was suggested that all living things are made of cells.	
7.	Humans are warm blooded. What does this mean?	•
8.	Define the following cell parts: Lysosome-	
	Cytoplasm-	
	그녀는 원인는 그렇지는 이번째 됐습니다. '^ 하나 나는 이 그는 나는 나는 사람이 없다.	
	Mitochondria-	