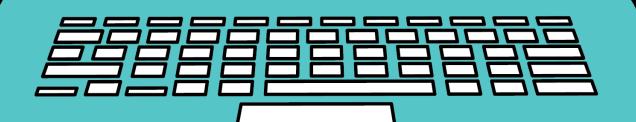


Short Answer	Type Answer Here	Fill in the Blank	Type Answer Here
1. What slor pode cells of ry ox en through		<ol> <li>The cell is the basic structure of living organisms and</li> </ol>	
2. What term is ded for the process cells duplicated		10. Skin, blood, and cells multiply by mitosis.	
3. What is the first phase of mitosis called?		11. Cells have a on the outside.	
4. What do cells contain, which is like a fingerprint?		2. One main goals of cell into	
5. What is another term for cell cleavage?		13 ission cull with mple consists acteri	
6. What animal lays the largest known cell of all?		14. Je cett memoral are the cytoplash	
7. What is the last phase of mitosis called?		15. An adult houran h approximately 37.2 _ cells.	
8. How many kinds of cell division are there?	_	16. Skin cells constantly and reproduce.	



## **CELL CYCLE**

The cell bas schure of living organisms and biology. The body survives, he sows, an slops thanks to cells. Some living beings have a single cell so there a lich more collex, like a human being. An adult has app

difference of the state of the

ody

- Red blood cells carry
- Specific cells work
- Some cells stay in plantached to a relation to the stay in th
- Skin cells const
   divide reproduce
- Nerve cells are another kill cell in the

Groups of cells create tissue and tems.

Cells have a membrane on the outside agine a plastic bag with miniature holes. These holes allow things bag contains fluid and cell fragments.

Inside the cell membrane are the cytoplasm and cleus. Cytoplasm and transforms energy while fulfilling the cell functions. The nucleus genetic material and elements that cause division and reproduction

Cells contain DNA, which is a cell's fingerprint. Like a fingerprint different from person to person.

Cells constantly make new cells that grow or replace dead cells. Yet, some cells don't divide as often. There are three kinds of cell division: binary fission, mitosis, and meiosis.

Binary fission occurs with simple organisms like bacteria. DNA doubles, and the cell doubles its size. From here, the duplicate DNA strands shift to opposite sides of the cell. Now the cell wall pinches in the middle to create two separate cells.

The cell cycle highlights how cells are constantly dividing.

- GI phase The cell cycle begins with phase GI. Here the cell rests, grows, and does its job. Some cells stop here and enter phase GO. They don't divide for a long time or even permanently.
- 2. S phase Other cell's duplicate DNA in the S phase in preparation for cell division.

3. G2 phase - The cell prepares to divide.

4. M phase (mitosis phase) - This is when the cell physically divides.

 Mitosis is the process of cells duplicating. Skin, blood, and muscle cells multiply by mitosis. This process ends with a mother cell and daughter cells. Everything, including the DNA, functions, and genetic code repeats.

Mitosis (M phase) has its own cycle:

- Prophase,
- Metaphase,
   Anaphase, and
- 4. Telophase

Interphase is a cell under normal conditions. This is when the cell rests and makes energy for mitosis. During interphase, the genetic material is copied. GI, S, and G2 phases are part of the interphase.

When it is time to multiply, the cell enters the first stage of mitosisbase. DNA copies itself and makes X shaped bunches of material called most ones. At this point, the nuclear membrane and nucleolus breaks

The name is the metaphase. Chromosomes form a line in the middle of the

The day hase is next on the centerline of chromosomes separate.
The edit the cell "rest composities" like a fisherman.
Chromosomes shift to be the cell of the cell telophase has shift to be the cell starts to pinch in two. Two

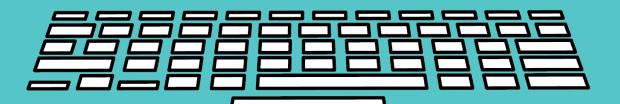
membrane around each set of mosomes. Nucleoli sear, and chr

spally, the phase cytokine ell cleavage) occurs. The cell span valf, to daughter cells devel

Melosic other part of the cell of the differs from mitosic outs if produces to the lls, not two. Also se not cells contain a difference to the DNA of the original cells using the size of the cells using the cells using the cells of the cells using the ce

Motor neurons are the longest the lower spinal cord to the big toe. The lower spinal cord is a fertilized egg. Yet, you still cannot see it with your eyes. The ostrick egg that can weigh up to three pool of a final fun fact humans carry more bacteria in their body than certs!

o Brisk Tark



## PLEASE VIEW THE VIDEO TO SEE HOW THIS PRODUCT WORKS

