

## CELL CYCLE ANTICIPATION GUIDE

Read each statement and decide if it is True or False. Complete the left column before the reading by circling the T for True or the F for False. Complete the right column after inish the reading. Did any of your answers change?

BI		STATEMENT	AF Rea	TER Ding
T	F	phase of mitosis is the telophase.	Т	F
T	F	The are five kinds of cell division.	T	F
Τ	F	One of main Is of a cell is to conquer.	T	F
Τ	F	The ell is the asic structure of living organisms an ellogy.	T	F
Τ	F	Me asis occurrent in simple aganisms like basi	Τ	F
Τ	F	Skin, blood, cie cells multip y mitosis.	Т	F
Τ	F	Cells have a membrane die outside.	T	F
Τ	F	Inside the cell membra are the currism a nucleus.	T	F
Τ	F	Brain cells constantly divident and reput dce.	T	F
	DID Y KNOV	OU V? DNA is the acronym for array	onuel	

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	Cell Cycle	Name:		Think Tank Copyright 2020	
	Answer the questions below. Then on the c If there is any space left over, color it you	coloring page, color each numbered se ir choice! Follow the directions provi	ection with the control of the contr	sponding color. the reading.	<b>w</b>
	Questions	Text Evidence	, MSL	nswer B	
#	What color blood cells carry oxygen through the body?	Find proof the read in UNDERLINE it in P	R	Blue RED	
#	<b>2</b> What term is used for the process of cells duplicating?	Fi CLL in GREF	Chromosome PURPLE STRIPES	Mitosis BLUE STRIPES	
#	<b>3</b> What is the first p <sup>1</sup> te of mitc called?	Find put in the reading and Etit in RED	Prophase YELLOW	Miphase ORANGE	
#	H Whr do cells contai lik erprint?	d proof in the reading and BOX it in YELLOW	RND RED	DNA ORANGE	
#		Find proof in the reading and CIRCLE it in ORANGE	Cytokinesis BLUE	Kineticism BROWN	
#	<b>6</b> W animal lays the largest know sell of all?	Find proof in the reading and UNDERLINE it in PURPLE	Ostrich ORANGE STRIPES	Platypus GREEN STRIPES	
5					

## The cell is the basic structure of living organisms and biology. The body rows, and develops thanks to cells. Some living beings have a survives, he single c hers are much more complex, like a human being. <u>An adult</u> 7.2 trillion cells. has ximate ain goals of a cell is to organize. Various cell types have Or afferent purposes cannot function properly if they get too big so they ings have multiple types of cells. divide as needed man xygen through the body. Red bl Is car th the heart. Sp Some cr stay in one attached to a muscle. Skin ce constant ide L reproduce. Nerve Uls are er kind **See**ell in the human body. Groups of cells Je tise and system Cells have embrane on the grande. Imagine a plastic bag with miniature holes. The holes allow the states to transfer in and out of the bag. The bag contains fluid and cell fragm s the Inside the cell membrane and nucleus. Cytoplasm uses ne cell functions. The nucleus has the and transforms energy while aenetic material and element that cause division of reproduction. Cells contain DNA, which is a cell's finger g fingerprint, DNA is different from person to person. Cells constantly make new c row or repla ead cells. Yet, some cells don't divide as often The vision: binary e three kip CE fission, mitosis, and meiosis. acteria. DNA doubles, Binary fission occurs with simple organized as lh licate D. strand ft to and the cell doubles its size. From here, the es in the mide for create two opposite sides of the cell. Now the cell wall pin separate cells. The cell cycle highlights how cells are constantly div GI phase - The cell cycle begins with phase GI. Here s, grows Jon' for a long time or even permanently. 2. S phase - Other cells duplicate DNA in the S phase in paration for cell division.