

Critical Thinking Skills

Cells

Skills For Critical Thinking		Reading Comprehension								Hands-On Activities
		Section 1	Section 2	Section 3	Section 4	Section 5	Section 6	Section 7	Section 8	
LEVEL 1 Knowledge	<ul style="list-style-type: none"> List Details/Facts Recall Information Match Vocab to Definitions Define Vocabulary Label Diagrams Recognize Validity (T/F) 	✓	✓	✓	✓	✓	✓	✓	✓	✓
LEVEL 2 Comprehension	<ul style="list-style-type: none"> Demonstrate Understanding Explain Scientific Causation Rephrasing Vocab Meaning Describe Classify into Scientific Groups 	✓	✓	✓	✓	✓	✓	✓	✓	✓
LEVEL 3 Application	<ul style="list-style-type: none"> Application to Own Life Model Scientific Process Organize & Classify Facts Use Alternative Research Tools 	✓	✓	✓	✓	✓	✓	✓	✓	✓
LEVEL 4 Analysis	<ul style="list-style-type: none"> Distinguish Roles/Meanings Make Inference Draw Conclusions based on Facts Provided Classify Based on Facts Researched 	✓	✓	✓	✓	✓	✓	✓	✓	
LEVEL 5 Synthesis	<ul style="list-style-type: none"> Compile Research Information Design & Application Create & Construct Imagine Self in Scientific Role 	✓	✓	✓	✓	✓	✓	✓	✓	✓
LEVEL 6 Evaluation	<ul style="list-style-type: none"> State & Defend an Opinion Justify Choices for Research Topics Defend Selections & Reasoning 	✓	✓	✓	✓	✓	✓	✓	✓	

Based on Bloom's Taxonomy

NAME: _____



Word Search



Find all of the words in the Word Search. Words may be horizontal, vertical, or diagonal. A few may even be backwards! Look carefully!

amoeba
cell
centriole
chromosome
cilia
cytoplasm
diffusion

DNA
lysosome
matter
magnify
meiosis
membrane
microscope

mitosis
multicellular
nucleus
organ
organelle
organism
osmosis

particle
plastid
semi permeable
single celled
specialization
tissue
vacuole

e	s	i	n	g	l	e	c	e	l	e	d	n	m	j	n
f	p	j	h	d	h	y	h	f	a	a	n	i	s	m	
g	e	w	r	f	c	e	r	g	v	h	p	o	t	u	e
j	c	j	g	e	q	g	o	h	w	g	u	p	l	m	k
t	i	s	s	u	e	f	m	c	e	f	y	a	b	e	j
k	a	m	o	e	b	a	o	r	d	t	r	t	i	h	i
l	l	r	h	v	x	b	s	n	o	t	s	a	t	a	o
p	i	n	l	k	t	v	b	l	y	n	r	i	h	s	f
o	z	e	u	r	d	m	v	e	e	e	l	c	l	i	d
e	a	o	x	c	e	r	t	y	i	w	l	y	s	s	l
p	t	s	e	y	l	f	f	g	h	c	y	l	e	t	e
o	i	m	v	e	b	f	l	k	r	e	t	t	a	m	l
c	o	o	b	o	e	u	s	u	j	h	g	f	d	s	a
s	n	s	j	p	r	r	r	s	l	s	k	j	h	g	f
o	n	i	m	l	t	f	t	h	u	s	i	l	m	n	b
r	b	s	n	a	y	v	y	h	j	j	o	o	v	f	d
c	g	t	b	s	p	l	a	s	t	i	d	l	n	f	d
i	n	t	h	m	u	x	x	c	v	b	n	m	e	k	j
m	a	g	n	i	f	y	z	s	i	s	o	t	i	m	h
t	g	c	s	e	m	i	p	e	r	m	e	a	b	l	e
h	r	e	d	o	l	b	n	m	v	c	w	e	r	t	y
g	o	l	y	s	o	s	o	m	e	s	r	e	t	t	a
f	v	l	d	e	l	l	e	n	a	g	r	o	n	k	j

SAMPLE

Across:

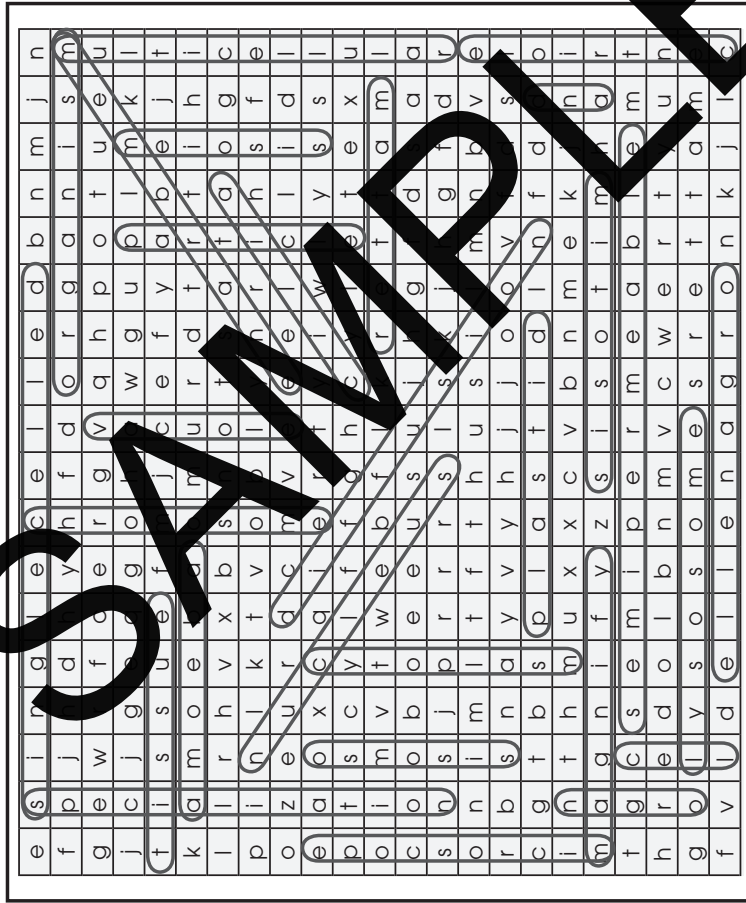
- 1. osmosis
- 3. meiosis
- 6. nucleus
- 11. cell membrane
- 12. cell wall
- 15. chromosome

Down:

- 1. organ
- 2. organelle
- 3. matter
- 4. organism
- 5. vacuoles
- 7. cytoplasm
- 8. single celled
- 9. plastid
- 10. semi permeable
- 11. cilia
- 13. mitosis

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Word Search Answers



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Part A

- 1. True
- 2. False
- 3. False
- 4. True
- 5. True
- 6. False

Part B

- A** cell membrane
- B** nucleus
- C** cytoplasm

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Part C

- 1. Building block of life; microscope
- 2. Carries genetic information; in nucleus
- 3. Possible answers: nucleus – controls everything that happens in the cell membrane
– holds all parts of cell in place
cytoplasm – where all the cell's activities take place
- 4. Yes; meiosis – sexual reproduction (produces sex cells)
mitosis – asexual reproduction (no sex cells produced)
- 5. cell wall – rigid outer covering, vacuoles – large sacs that store proteins, waste, etc., plastids – make and store food

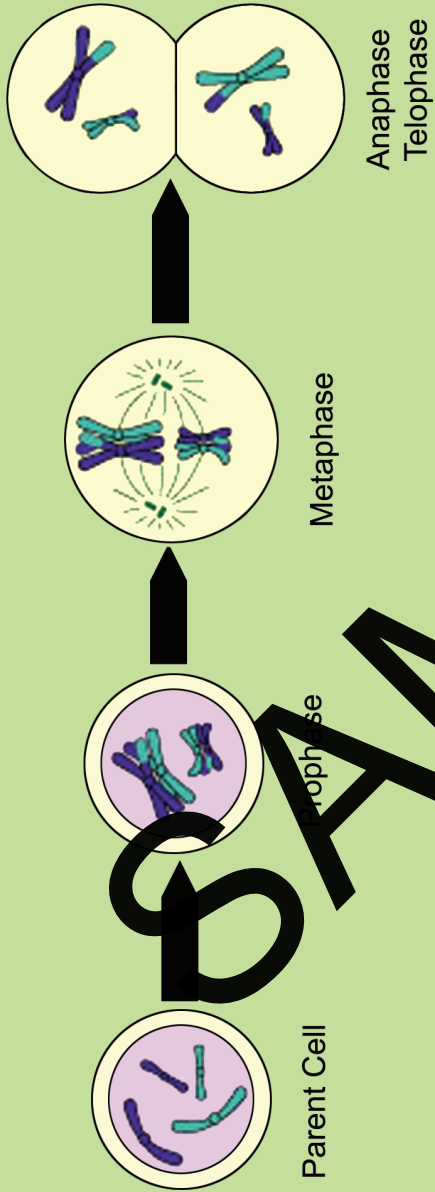
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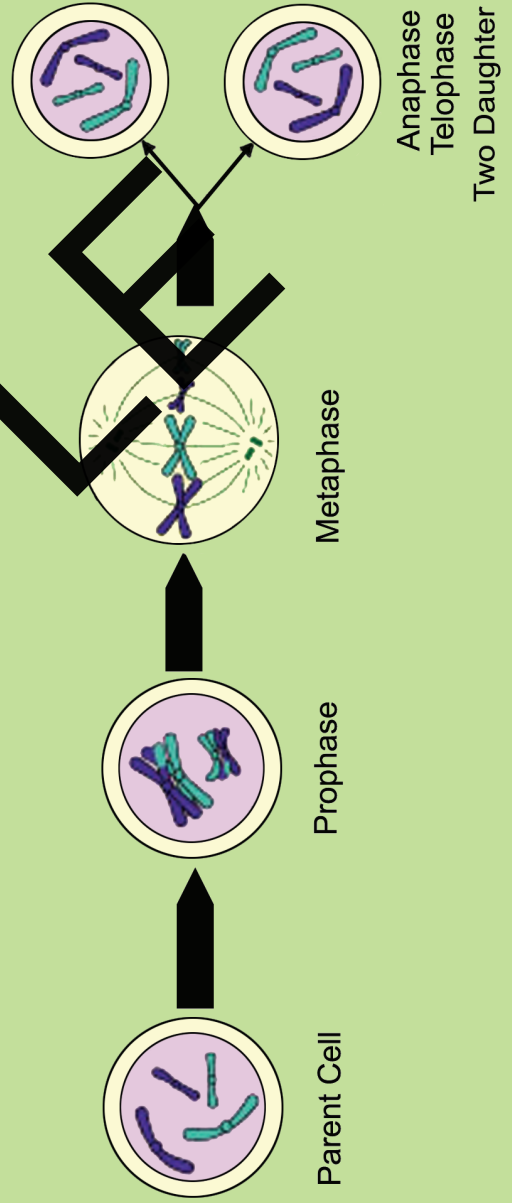
Meiosis & Mitosis



Meiosis



Mitosis



SAMPLE