



LIFE SCIENCE UNIT ONE
CELLS

BOCA #4

GET OUT A PENCIL & JOURNAL



BOCA #4 WHAT MAKES SOMETHING
ALIVE?

LIFE SCIENCE LESSON 1

1. INTRODUCTION TO BIOLOGY VIDEO

2. "WHAT IS LIFE?"

STUDENTS READ PAGES 36-39 IN
HOLT LIFE SCIENCE TEXTBOOK &
COMPLETE FOLDABLE

-TITLE

-“IN ORDER TO BE ALIVE, SOMETHING MUST....”

-6 CHARACTERISTICS OF LIVING THINGS

BOCA #5

GET OUT A PENCIL & JOURNAL



BOCA #5 ONCE SOMETHING IS
ALIVE, WHAT DOES IT NEED TO STAY
ALIVE?

LIFE SCIENCE LESSON 2

1. "NECESSITIES OF LIFE"

STUDENTS READ PAGES 40-41 IN
HOLT LIFE SCIENCE TEXTBOOK

2. COMPLETE GRAPHIC ORGANIZER

OUTSIDE:

-4 SECTIONS

-TITLE

INSIDE:

-LEFT: 2 FACTS

IN "FOOD" DEFINE PRODUCERS,
CONSUMERS, AND DECOMPOSERS

-RIGHT: 1 PICTURE

OXYGEN	NECESSITIES OF LIFE
SUN/ ENERGY	
FOOD	
WATER	

3 BOLD WORDS & WHAT THEY MEAN	1 PICTURE	
2 FACTS	1 PICTURE	
2 FACTS	1 PICTURE	
2 FACTS	1 PICTURE	

BOCA #6

GET OUT A PENCIL & JOURNAL



WHAT IS A CELL?

LIFE SCIENCE LESSON 3

1. LOG ON TO [ACTIVELYLEARN.COM](https://www.activelylearn.com)
AND OPEN THE ASSIGNED ACTIVITY
"CELLS"

- WATCH THE VIDEO
- READ THE ARTICLE
- TAKE NOTES, ASK QUESTIONS, HAVE AN
ONLINE CONVERSATION WITH YOUR PEERS.
- ANSWER THE QUESTIONS

LIFE SCIENCE LESSON 3B

1. VIDEO- SCIENCE COURT... "IS IT ALIVE?"

- WATCH THE VIDEO
- STOP THROUGHOUT FOR CLASS
DISCUSSIONS/PREDICTIONS

BOCA #1

GET OUT A PENCIL & JOURNAL



WHAT ARE SOME THINGS THAT YOU
THINK ALL CELLS HAVE IN
COMMON?

LIFE SCIENCE LESSON 4

1. LOG ON TO [ACTIVELYLEARN.COM](https://www.activelylearn.com)
AND OPEN THE ASSIGNED ACTIVITY
"PROKARYOTIC V. EUKARYOTIC
CELLS"

- WATCH THE VIDEO
- READ THE ARTICLE
- TAKE NOTES, ASK QUESTIONS, HAVE AN
ONLINE CONVERSATION WITH YOUR PEERS.
- ANSWER THE QUESTIONS

BOCA #8

GET OUT A PENCIL & JOURNAL



WHAT IS THE BENEFIT TO
EUKARYOTIC CELLS TO HAVE THEIR
DNA INSIDE OF A NUCLEUS? WHY?

LIFE SCIENCE LESSON 5

1. READ "UNICELLULAR V. MULTICELLULAR" AND ANNOTATE WITH A PARTNER

-TAKE NOTE OF THE MAIN IDEA OF EACH SECTION

2. COMPLETE THE 2 VOCAB CARDS FOR "UNICELLULAR" AND "MULTICELLULAR"

BOCA #9

GET OUT A PENCIL & JOURNAL



WHAT ADVANTAGES DO
UNICELLULAR ORGANISMS HAVE?

WHAT ADVANTAGES DO MULTICELLULAR
ORGANISMS HAVE?

LIFE SCIENCE LESSON 6

1. WATCH BILL NYE'S "CELLS"

-TAKE NOTES AS YOU WATCH

2. COMPLETE THE VIDEO QUESTIONS
AFTER WATCHING

BOCA #10

GET OUT A PENCIL & JOURNAL



WHAT HAPPENS TO CELLS THAT
DIE? WHERE DOES IT GO?

LIFE SCIENCE LESSON 7

1. LOG ON TO [ACTIVELYLEARN.COM](https://www.activelylearn.com)
AND OPEN THE ASSIGNED ACTIVITY
"COMMON PARTS OF THE CELL"

- WATCH THE VIDEO
- READ THE ARTICLE
- TAKE NOTES, ASK QUESTIONS, HAVE AN
ONLINE CONVERSATION WITH YOUR PEERS.
- ANSWER THE QUESTIONS

BOCA #11

GET OUT A PENCIL & JOURNAL



WHAT PART OF CELL THEORY
PROVES THAT I CAN NOT CREATE A
CELL IN LABORATORY?

LIFE SCIENCE LESSON 8

1. LOG INTO YOUR MY BRAINPOP

2. WATCH THE VIDEO

- COMPLETE THE T/F ACTIVITY
- COMPLETE THE QUIZ

BOCA #12

GET OUT A PENCIL & JOURNAL



WHAT IS ONE DIFFERENCE BETWEEN
PLANT CELLS AND ANIMAL CELLS?

LIFE SCIENCE LESSON 9

1. LOG ON TO [ACTIVELYLEARN.COM](https://www.activelylearn.com)
AND OPEN THE ASSIGNED ACTIVITY
"ORGANELLES"

- WATCH THE VIDEO
- READ THE ARTICLE
- TAKE NOTES, ASK QUESTIONS, HAVE AN
ONLINE CONVERSATION WITH YOUR PEERS.
- ANSWER THE QUESTIONS

BOCA #13

GET OUT A PENCIL & JOURNAL



PROVIDE A DEFINITION AND
EXAMPLE FOR THE WORD
"ORGANELLE"

LIFE SCIENCE LESSON 10

1. SPEND THE DAY PLAYING :)

-CELL CRAFT

-VIRTUAL MICROSCOPE

BOCA #14

GET OUT A PENCIL & JOURNAL



WHAT DO YOU THINK IS THE MOST
IMPORTANT ORGANELLE...AND WHY?

LIFE SCIENCE LESSON 11

I. REVIEW

-“CELL-ABRATION”

-“DRUMMING UP DIFFERENCES”
PLANT CELLS VS. ANIMAL CELLS

USE YOUR NOTES AND RESOURCES
TO COMPLETE THE ASSIGNMENT.

BOCA #15



ANSWER YES OR NO FOR EACH
ARE THESE MADE UP OF CELLS?
EXPLAIN YOUR ANSWERS

A.



B.



C.





LIFE SCIENCE LESSON 12

1. QUIZ

CROSSWORD PUZZLE-PLANT VS.
ANIMAL CELLS

LIFE SCIENCE ASSESSMENT

I. END OF UNIT ASSESSMENT

PARTNER PROJECT

EACH PARTNER WILL CREATE A FULL-SIZED POSTER. DECIDE WHO WILL DO A PLANT CELL AND WHO WILL DO AN ANIMAL CELL

TOGETHER, YOU WILL WORK ON A SMALL POSTER FOR THE ORGANELLE YOU ARE ASSIGNED. THIS PORTION WILL BE PRESENTED TO THE CLASS.

PUTTING IT ALL TOGETHER

I. ACTIVELYLEARN.COM

ORGANIZATION OF THE HUMAN BODY

VIDEO
NOTES
READING
QUESTIONS

BY THE END, YOU SHOULD BE ABLE
TO DESCRIBE THE ORGANIZATION OF
HUMANS, FROM SMALLEST TO
LARGEST UNITS

PERFORMANCE TASK 1

I. PERFORMANCE TASK #1

REVIEW RUBRIC FOR YOUR 3-D CELL MODEL PROJECT. YOU WILL HAVE TIME IN CLASS OVER THE NEXT 2 WEEKS AND MATERIALS PROVIDED.

YOU MAY HAVE TO TRANSPORT YOUR PROJECT HOME IF YOU NEED ADDITIONAL TIME

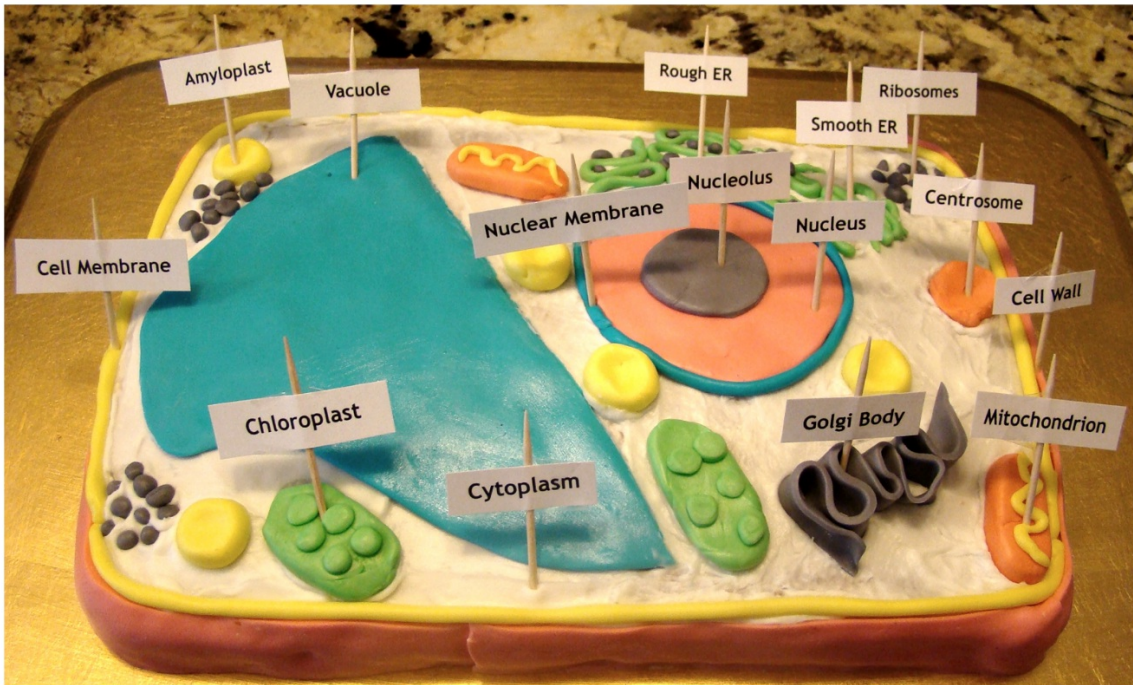
YOU MAY BUY ADDITIONAL MATERIALS IF YOU CHOOSE TO.

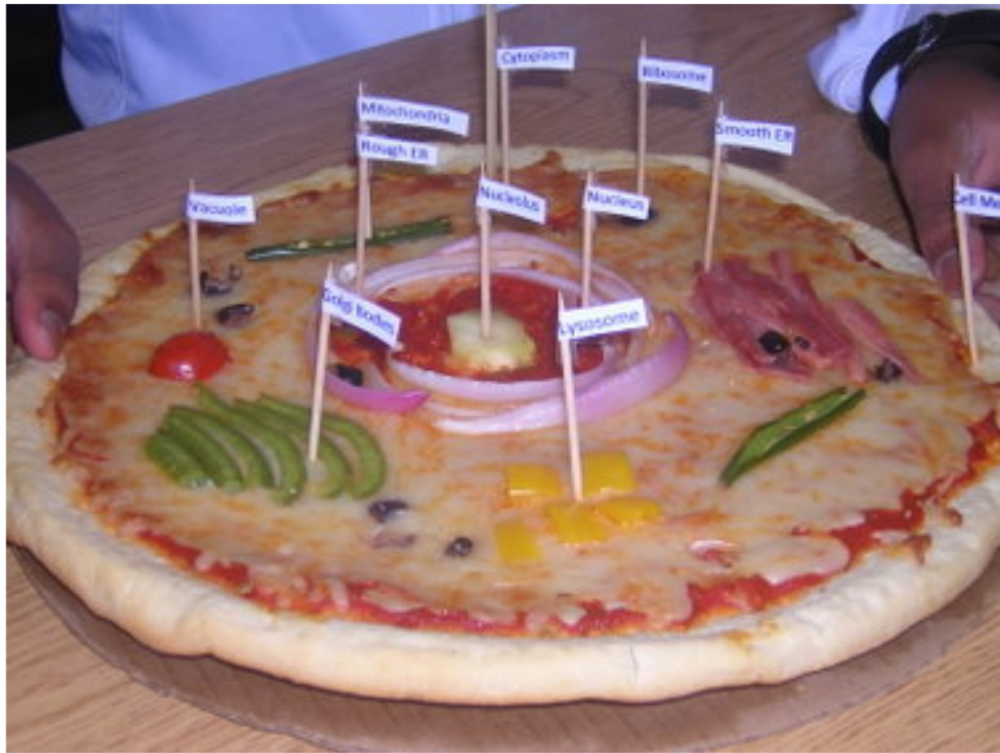












THE PLANT CELL



