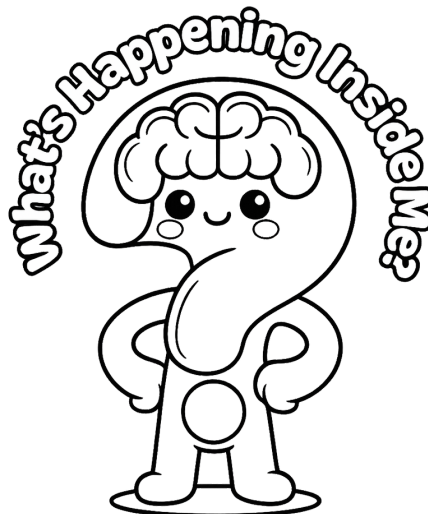


S3 Episode 1: Busy Bones

L W R I P I K W H C A W V N I H L E T K
W O K Z Y B S M O E K W J X M H G Q S K
H U F M A R O D Y R Y Y O K I C K S R B
G B A U B A O Z V H H A Z J F C I P E X
F N A A V B F T V O Q R B C T X Z X D S
C D M X D K W C J G O H A H O A P B B K
W D T S Y E L L O W B O N E M A R R O W
D G E D B T M I N E R A L S S I I M N B
J N P C A L C I U M G C X K H D B C E V
O R X S S U A X S Y P V Z G O I Q J M C
K P A Q Z Z A P L X B Z A W R F C M A F
K P O V Z E H F W M M B X D T B E R R B
S K E L E T A L S Y S T E M B C Q M R M
V W F M W X U L D X E D Q U O O R X O I
I K T S Y T L B B I Y I A T N C J N W R
T M O D N A R A E N P R A X E F X Z Z H
A E Z E D I X R Q X V U B V S U E F O J
C B S F M P O Q X K F Z K S M F D A I B
M D L O N G B O N E S R H Q H K J T E V
A S C Z B I N X C L V H R K B Q S G G C

1. Skeletal system
2. Minerals
3. Calcium
4. Fat
5. Long bones
6. Short bones
7. Yellow bone marrow
8. Red bone marrow



S3 Episode 1: Busy Bones

L	W	R	I	P	I	K	W	H	C	A	W	V	N	I	H	L	E	T	K
W	O	K	Z	Y	B	S	M	O	E	K	W	J	X	M	H	G	Q	S	K
H	U	F	M	A	R	O	D	Y	R	Y	Y	O	K	I	C	K	S	R	B
G	B	A	U	B	A	O	Z	V	H	A	Z	J	F	C	I	P	E	X	
F	N	A	A	V	B	F	T	V	O	Q	R	B	C	T	X	Z	X	D	S
C	D	M	X	D	K	W	C	J	G	O	H	A	H	O	A	P	B	B	K
W	D	T	S	Y	E	L	L	O	W	B	O	N	E	M	A	R	R	O	W
D	G	E	D	B	T	M	I	N	E	R	A	L	S	S	I	I	M	N	B
J	N	P	C	A	L	C	I	U	M	G	C	X	K	H	D	B	C	E	V
O	R	X	S	S	U	A	X	S	Y	P	V	Z	G	O	I	Q	J	M	C
K	P	A	Q	Z	Z	A	P	L	X	B	Z	A	W	R	F	C	M	A	F
K	P	O	V	Z	E	H	F	W	M	M	B	X	D	T	B	E	R	R	B
S	K	E	L	E	T	A	L	S	Y	S	T	E	M	B	C	Q	M	R	M
V	W	F	M	W	X	U	L	D	X	E	D	Q	U	O	O	R	X	O	I
I	K	T	S	Y	T	L	B	B	I	Y	I	A	T	N	C	J	N	W	R
T	M	O	D	N	A	R	A	E	N	P	R	A	X	E	F	X	Z	Z	H
A	E	Z	E	D	I	X	R	Q	X	V	U	B	V	S	U	E	F	O	J
C	B	S	F	M	P	O	Q	X	K	F	Z	K	S	M	F	D	A	I	B
M	D	L	O	N	G	B	O	N	E	S	R	H	Q	H	K	J	T	E	V
A	S	C	Z	B	I	N	X	C	L	V	H	R	K	B	Q	S	G	G	C

1. Skeletal system 2. Minerals 3. Calcium 4. Fat 5. Long bones 6. Short bones
7. Yellow bone marrow 8. Red bone marrow

Answer Key

S3 Episode 1: Busy Bones!

Color the pictures of the busy bones and their functions. Write the different functions of bones below each picture. Use the word bank below if you need extra help.

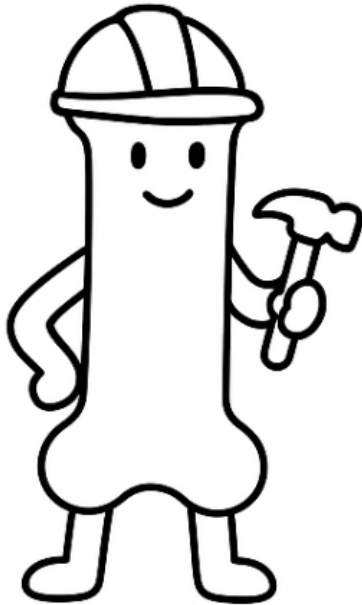
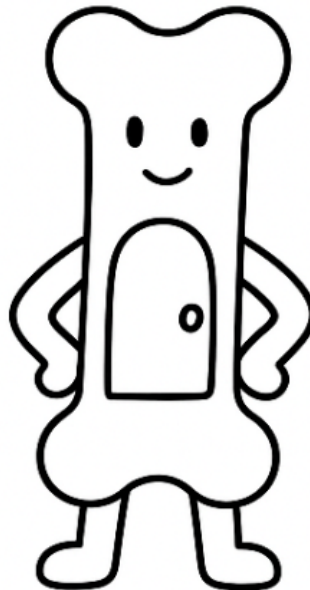
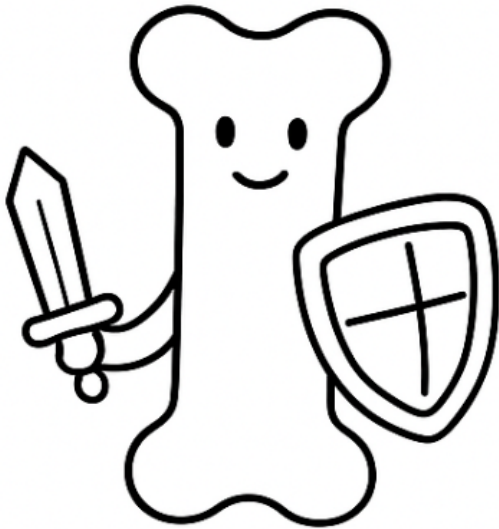
Blood Production

Movement

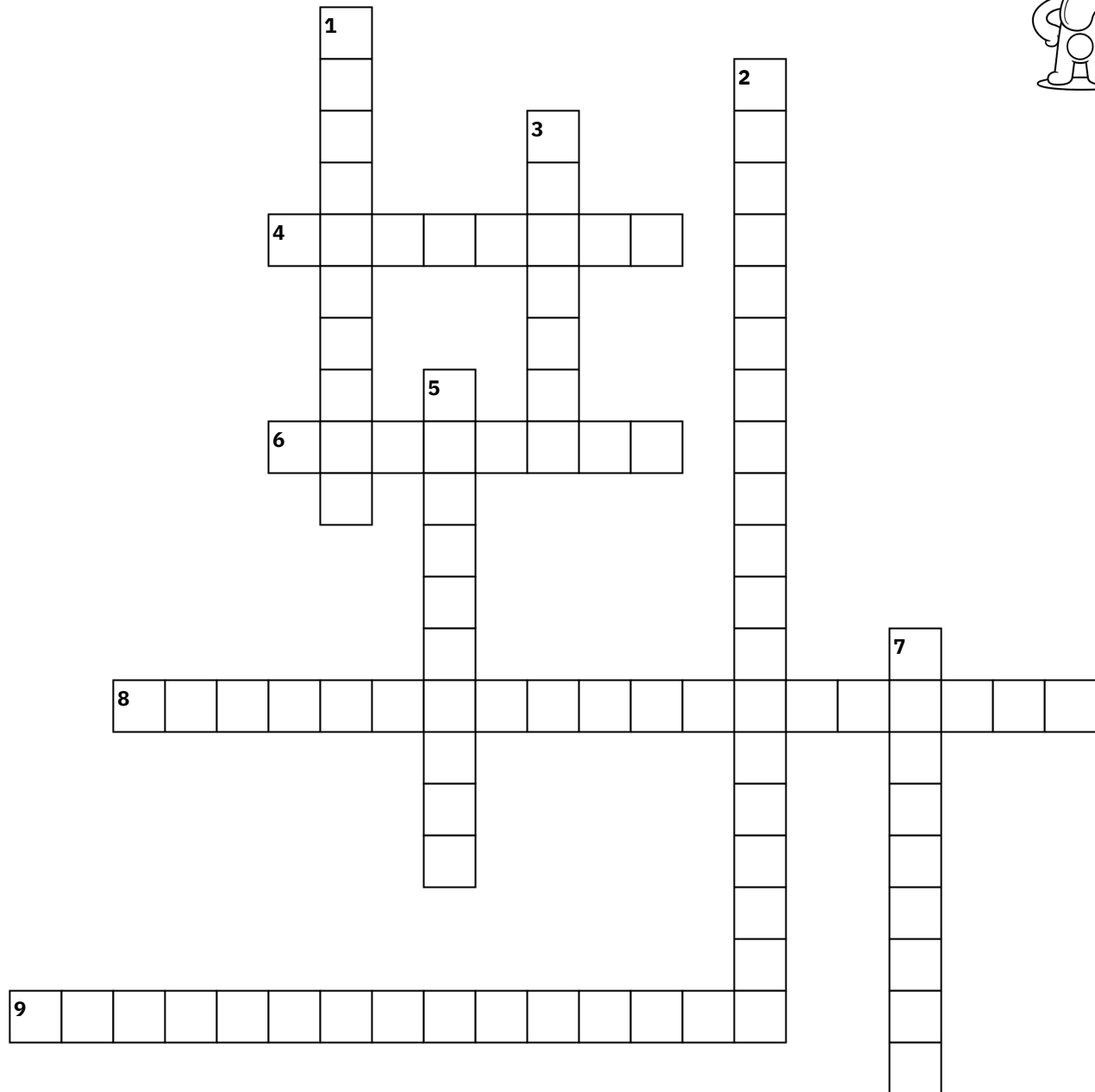
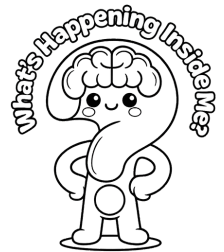
Protection

Storage

Structure



S3 Ep 1-2: Bones and Fractures



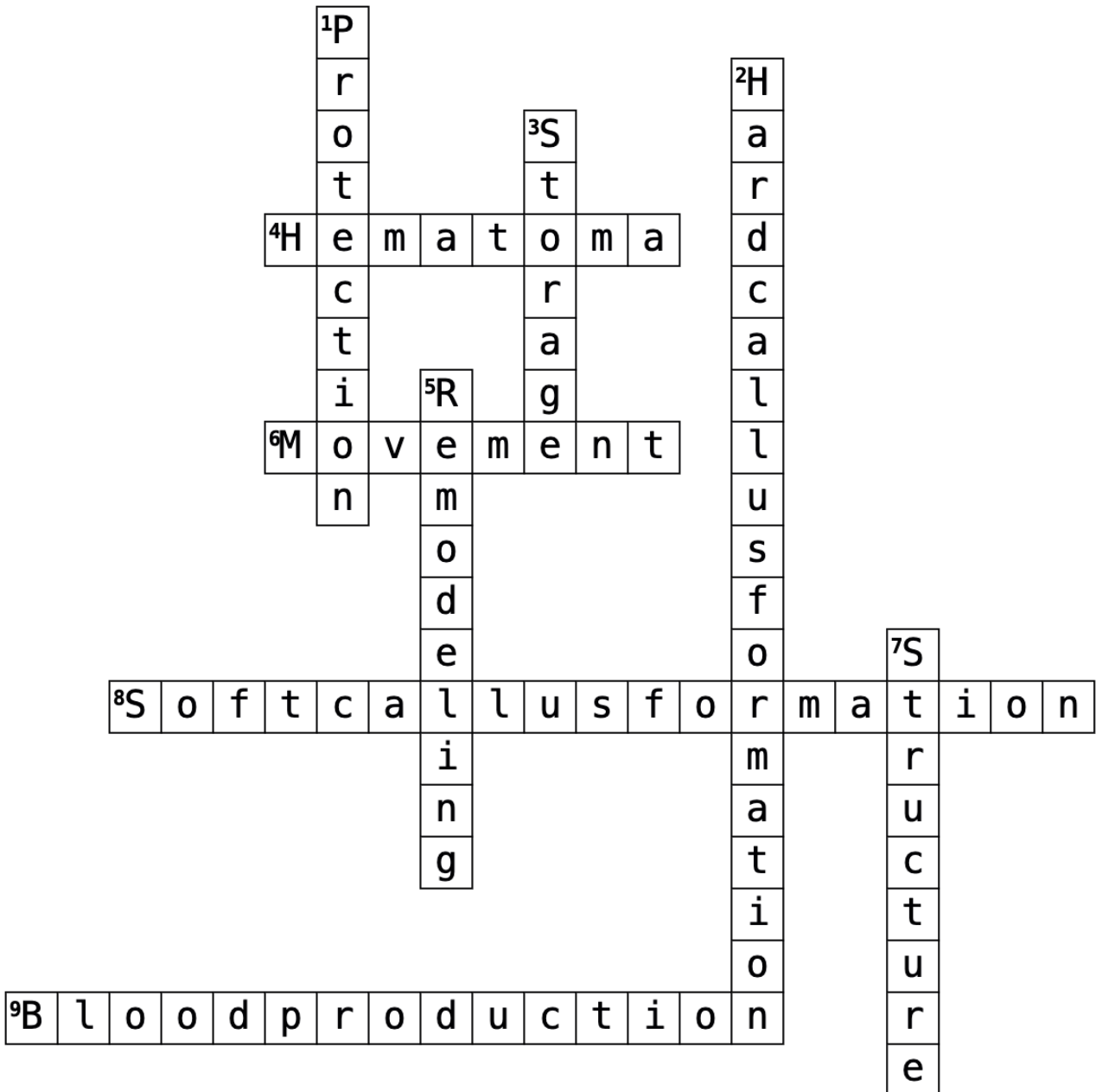
Across

- 4. step 1 of bone healing; “blood lump” that forms around the broken bone
- 6. a job of bones; bones get pulled by muscles so we can move
- 8. step 2 of bone healing; baby bone and cartilage form, along with new blood vessels
- 9. a job of bones; blood cells are made in bone marrow

Down

- 1. a job of bones; to shield organs like the brain, heart, and lungs
- 2. step 3 of bone healing; new hard bone built by osteoblasts
- 3. a job of bones; holds and releases minerals and fat when needed
- 5. step 4 of bone healing; shaping and strengthening bone back to normal
- 7. a job of bones; to give shape and support so we’re not floppy

S3 Ep 1-2: Bones and Fractures



Across

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Answer Key

S3 Ep 4

The Cell



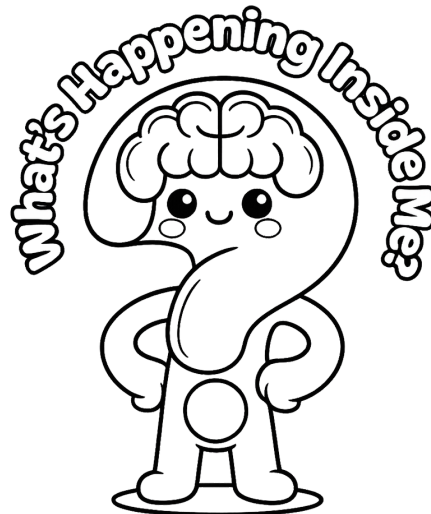
See if you can find the nucleus,
DNA, mitochondria, ribosome
and protein!



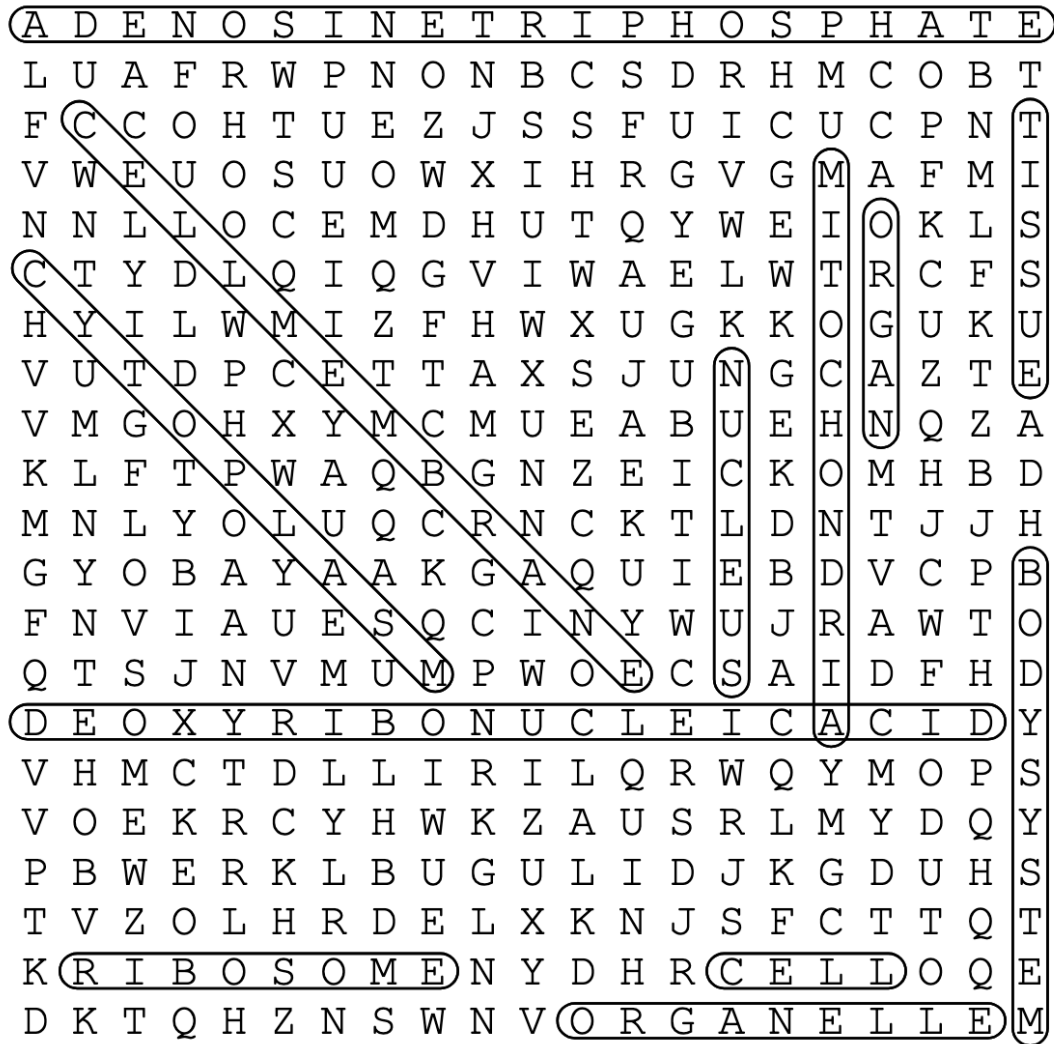
S3 Episode 4: Cells

A D E N O S I N E T R I P H O S P H A T E
L U A F R W P N O N B C S D R H M C O B T
F C C O H T U E Z J S S F U I C U C P N T
V W E U O S U O W X I H R G V G M A F M I
N N L L O C E M D H U T Q Y W E I O K L S
C T Y D L Q I Q G V I W A E L W T R C F S
H Y I L W M I Z F H W X U G K K O G U K U
V U T D P C E T T A X S J U N G C A Z T E
V M G O H X Y M C M U E A B U E H N Q Z A
K L F T P W A Q B G N Z E I C K O M H B D
M N L Y O L U Q C R N C K T L D N T J J H
G Y O B A Y A A K G A Q U I E B D V C P B
F N V I A U E S Q C I N Y W U J R A W T O
Q T S J N V M U M P W O E C S A I D F H D
D E O X Y R I B O N U C L E I C A C I D Y
V H M C T D L L I R I L Q R W Q Y M O P S
V O E K R C Y H W K Z A U S R L M Y D Q Y
P B W E R K L B U G U L I D J K G D U H S
T V Z O L H R D E L X K N J S F C T T Q T
K R I B O S O M E N Y D H R C E L L O Q E
D K T Q H Z N S W N V O R G A N E L L E M

1. cell 2. tissue 3. organ 4. body system 5. organelle 6. cell membrane
7. cytoplasm 8. nucleus 9. deoxyribonucleic acid 10. mitochondria 11. ribosome
12. adenosine triphosphate



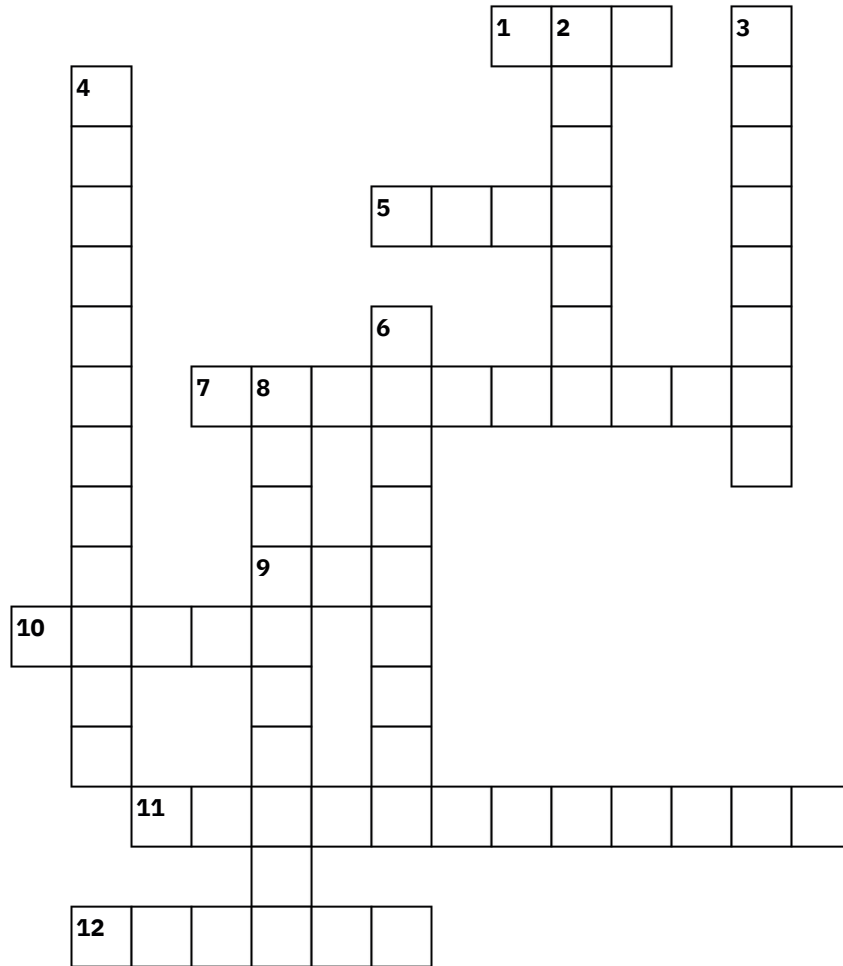
S3 Episode 4: Cells



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Answer Key

S3 Episode 4: Cells



Across

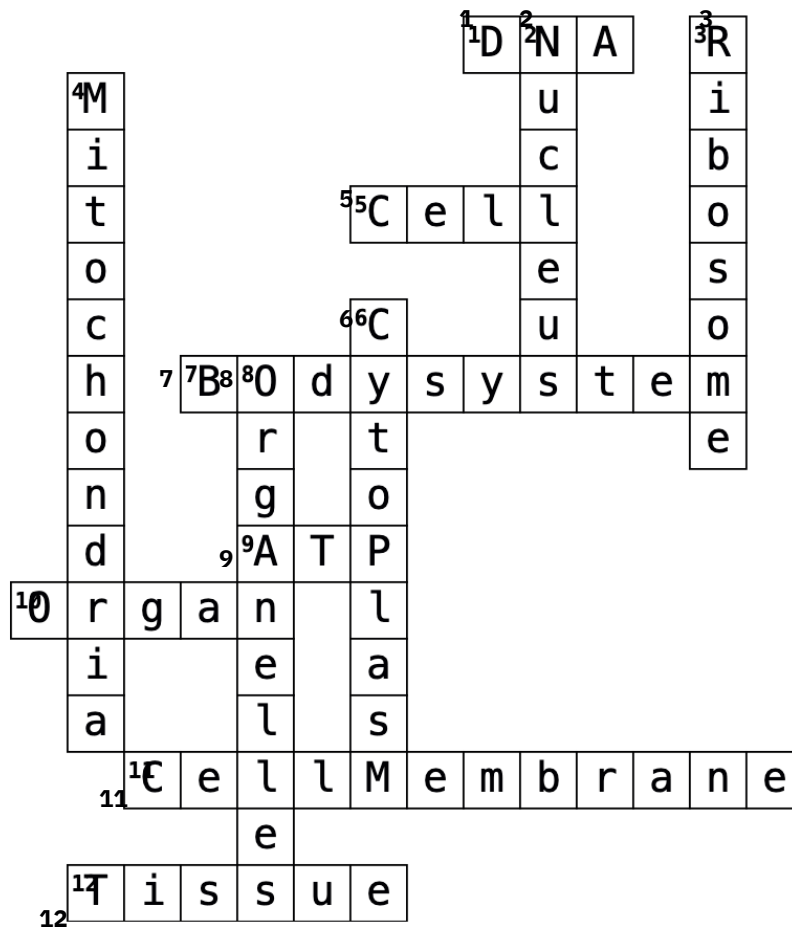
- 1.** stands for Deoxyribonucleic Acid; the instructions for everything in your body
- 5.** the smallest building block of all living things
- 7.** a group of organs working together (example- digestive system)
- 9.** stands for Adenosine Triphosphate; the type of energy our body uses
- 10.** a body part made of tissues that does a specific job
- 11.** the flexible outside edge of the cell
- 12.** a group of similar cells working together

Down

- 2.** organelle in the cell that is the control center of the cell; DNA stored here
- 3.** organelle in the cell that is the protein factory
- 4.** organelle in the cell that is the "powerhouses" of the cell that makes energy
- 6.** the jelly-like filling inside the cell
- 8.** tiny "mini-organs" inside a cell that each have a job



S3 Episode 4: Cells



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