

# Worksheet 11: What is life?

**Word search:** Find the missing words in the word search. They may appear forwards or backwards, up or down, or diagonally.

How do we know we are alive? All things that are alive move but so do the \_\_\_\_\_. All things that live \_\_\_\_\_, but so do mountains. There are \_\_\_\_\_ things that living creatures do and must be able to do to be classified as alive. A mnemonic to help us remember them is: MRS GREN.

\_\_\_\_\_ is the first requirement for life. All animals can move but even plants will move their leaves and \_\_\_\_\_ to follow the sun.

\_\_\_\_\_ is the second requirement. Respiration usually means to \_\_\_\_\_ but in this case it has a more specific meaning of turning \_\_\_\_\_ into useful energy. Humans respire by converting \_\_\_\_\_ to carbon dioxide but other organisms like some \_\_\_\_\_ and plants do not need oxygen to respire.

\_\_\_\_\_ means the ability to react to your surroundings. Having this ability does not mean that you need the same \_\_\_\_\_ senses that we use to be alive. Other organisms will sense and follow a trail of certain \_\_\_\_\_.

All \_\_\_\_\_ have to grow to be considered alive. To fit in this category, they also need to be able to \_\_\_\_\_ to make another viable organism. \_\_\_\_\_ are almost alive but they cannot reproduce by themselves. They need to use another living \_\_\_\_\_ to replicate, so we say that viruses are not alive.

The last two conditions are closely linked: excretion and \_\_\_\_\_. Nutrition means that the organism is able to get nutrients from its environment, either by eating like we do or by \_\_\_\_\_ gases from the air like plants do. \_\_\_\_\_ means getting rid of waste products from the organism.

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

# Worksheet 10: We are what we eat

**Word maze:** Weave your way through the maze from Start to Finish to find all the missing words in the order in which they appear in the text. Words can change direction but each new word begins in one of the squares around the final letter of the previous word.

All living \_\_\_\_\_ need energy to grow. Ultimately, all \_\_\_\_\_ on Earth comes from the \_\_\_\_\_. Animals rely on \_\_\_\_\_ to turn this \_\_\_\_\_ energy into a form that they can use. All plants \_\_\_\_\_ light energy into \_\_\_\_\_ potential energy through a process known as \_\_\_\_\_. This process turns carbon dioxide and \_\_\_\_\_ into \_\_\_\_\_ and oxygen. The sugar is turned into starches or \_\_\_\_\_ which store the chemical potential energy. Because plants produce energy that animals can use, we call them \_\_\_\_\_.

All other animals have to \_\_\_\_\_, or eat, another organism to get their energy. This is why we classify all \_\_\_\_\_ as consumers. There are different subcategories of \_\_\_\_\_ based on what type of organism they eat. The three main types of consumers are the \_\_\_\_\_, carnivore and \_\_\_\_\_. Herbivores eat only \_\_\_\_\_; \_\_\_\_\_ eat only meat; and omnivores eat both plants and \_\_\_\_\_. If an organism only eats insects, it is known as an \_\_\_\_\_. A piscivore eats only \_\_\_\_\_. If a carnivore eats only meat that it finds when the animal is already dead, it is called a \_\_\_\_\_.

Some carnivores do eat plants, although not for \_\_\_\_\_. For example, cats will eat \_\_\_\_\_ or other plants if they need to make themselves \_\_\_\_\_. A cat does this if it has an especially large \_\_\_\_\_ stuck in its stomach that it needs to get rid of. Because the \_\_\_\_\_ cannot digest the plant material, it triggers the vomit \_\_\_\_\_ and gets rid of the hairball.

START

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

FINISH