

# Biomimicry

Biomimicry is when man-made objects are made to copy nature.

## Reversible Super Glue

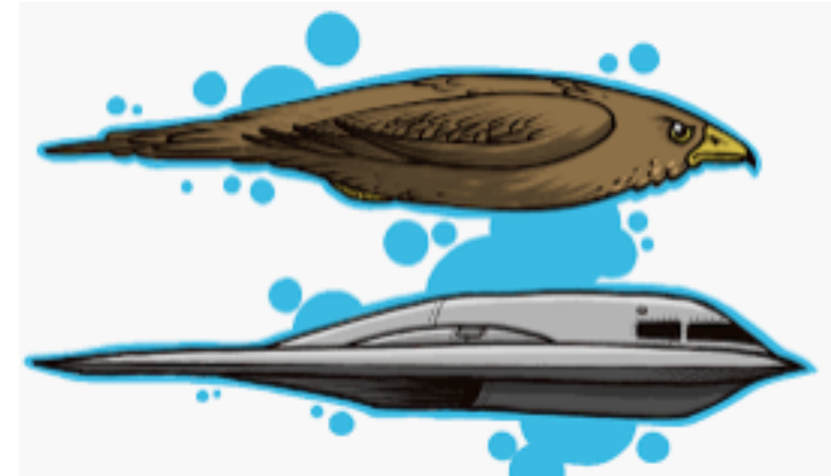
Reversible Super glue was made because scientists found out that snails secrete a mucous that is sticky. When applied, it can also be easily removed by using water. This is a form of mimicry because it was inspired by snails to create a man-made object.

## Gecko Climbing Feet

Geckos can climb up walls and roofs because they have little hairs covering their toes. These hairs allow them to climb without falling and grip on to the walls. Scientists have made gecko pads that allow humans the grip to the walls and not fall.

## Kingfisher Bird Inspired Bullet Train

The fastest train in the world goes 200 miles per hour (mph) in Japan because of the inspiration from a bird species called the Kingfisher. This bird's beak makes it aerodynamic so it is quieter and quicker so, the people made the front of the train like a kingfisher's to improve it. After this, the bullet train became quieter, takes 15% less energy and 10% quicker.



## Tree Bot

The tree bot is based off an inch worm and how it can feel around to determine where the best next grip is. Like inch worms, tree bots have tactile sensors that do the same as inch worms.

You can change the shape and form of the bug hotel depending on the type of bug you want to live inside it. For example, if you wanted a bee bug hotel, you would make it look similar to a bee hive (biomimicry) and make it octagonal like with holes to occupy them. For a spider, you would build a house with lots of branches so it's easier for spiders to create their webs. You can also design the hotel to look like the animal: make a giant snail shell for snails or a dragonfly house hanging in a tree. You can use cedar wood or redwood to prevent other animals to destroy the house or use leaves and twigs to copy the habitat of the specific bug.

# Typography

WONDER  
WOMAN

FANTASTIC  
4 FOUR

SUPERMAN

THE  
FLASH

X-MEN

ROBIN

## Serif

Serif in French means tails, so if you put a serif on a letter, it will have a tail or extra line to make it more appealing (Aa Bb Cc).

## San Serif

San Serif means the opposite of serif, with san meaning no. This means the typeface is boring and nothing new. It can be bold or italic.

## Script

Script font is hand written by a person and is usually made to look fancy or creative. They have extreme fonts such as swashes or exaggerated serifs.

## Decorative

Any fonts designed to be used at larger than body copy sizes could be described as decorative type.



These two logos are from DC and are very similar. First off all, you can see that the colours are very vibrant and saturated which makes them bold. Their pictures are simple so they are easy to remember. Superman's font is very big and bold to represent how he is like and the flash's font is in italics to show his speed. Typography is the art of making letters and numbers into different styles/fonts to make it more appealing to look at. Some techniques include serifs, scripts and



GREEN  
LANTERN™

TRANSFORMERS  
7.11.11  
IN 3D

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

BATMAN

**Super Heros: Graphics**

To Create your own typeface you should fill each of the boxes below with the letter/number in the top left hand corner. Try to keep each of your letters consistent and in the same style.

A A	a a	B B	b b	C C	c c	D D	d d	E E	e e
F F	f f	G G	g g	H H	h h	I I	i i	J J	j j
K K	k k	L L	l l	M M	m m	N N	n n	O O	o o
P P	p p	Q Q	q q	R R	r r	S S	s s	T T	t t
U U	u u	V V	v v	W W	w w	X X	x x	Y Y	y y
Z Z	z z	0 0	1 1	2 2	3 3	4 4	5 5	6 6	7 7
8 8	9 9	10 10	11 11	12 12	13 13	14 14	15 15	16 16	17 17
18 18	19 19	20 20	