# Use your creativity to solve a problem! You be the engineer

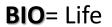
The Sonoran Desert can be hotter than 110°F (43C°) and receives fewer than 15" of rainfall per year. Based on the animals and plants you learned about today that avoid heat and conserve water, draw a desert home for YOU!

Be creative!

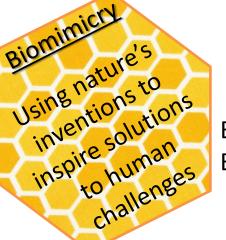


# Design by Nature

DESERT MUSEUM

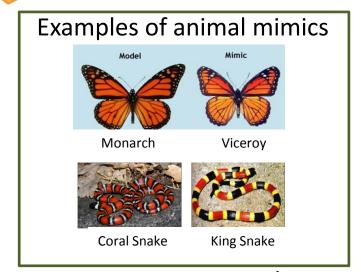


**MIMIC**= a near copy



What other words have the BIO prefix?

3io					
3io					

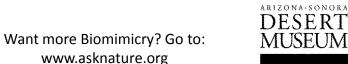


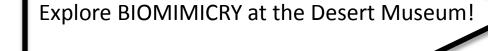
Show us your BIG IDEA! Email or scan a pic to: education@desertmuseum.org

@desertmuseum









## 4) Agave Garden

Rain Capture: Observe an agave.

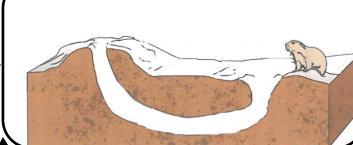
Describe 2 ways agaves capture and store water.

1.

2.

3) Prairie Dogs

Air flow: Prairie dog mounds help circulate air. Draw arrows to show which way you think air moves in the burrow.



# 5) Tortoise

Tortoises have been on Earth for 50 million years. What's one secret to their survival?



Which animal did you choose?

I would use the animal's \_\_\_\_ as an inspiration to invent:

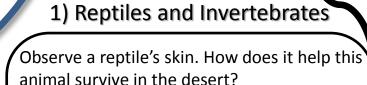
#### 2) Earth Sciences Center

Caves keep things cool!

How does this help to design a house?

### 6) Warden Aquarium

Olympic swimmers now wear suits modeled after the shape of shark skin. The grooved scales help cut through water quickly. How could you use the shark skin design? Draw it!



How could we apply this to help humans?



Welcome! ¡Bienvenidos!