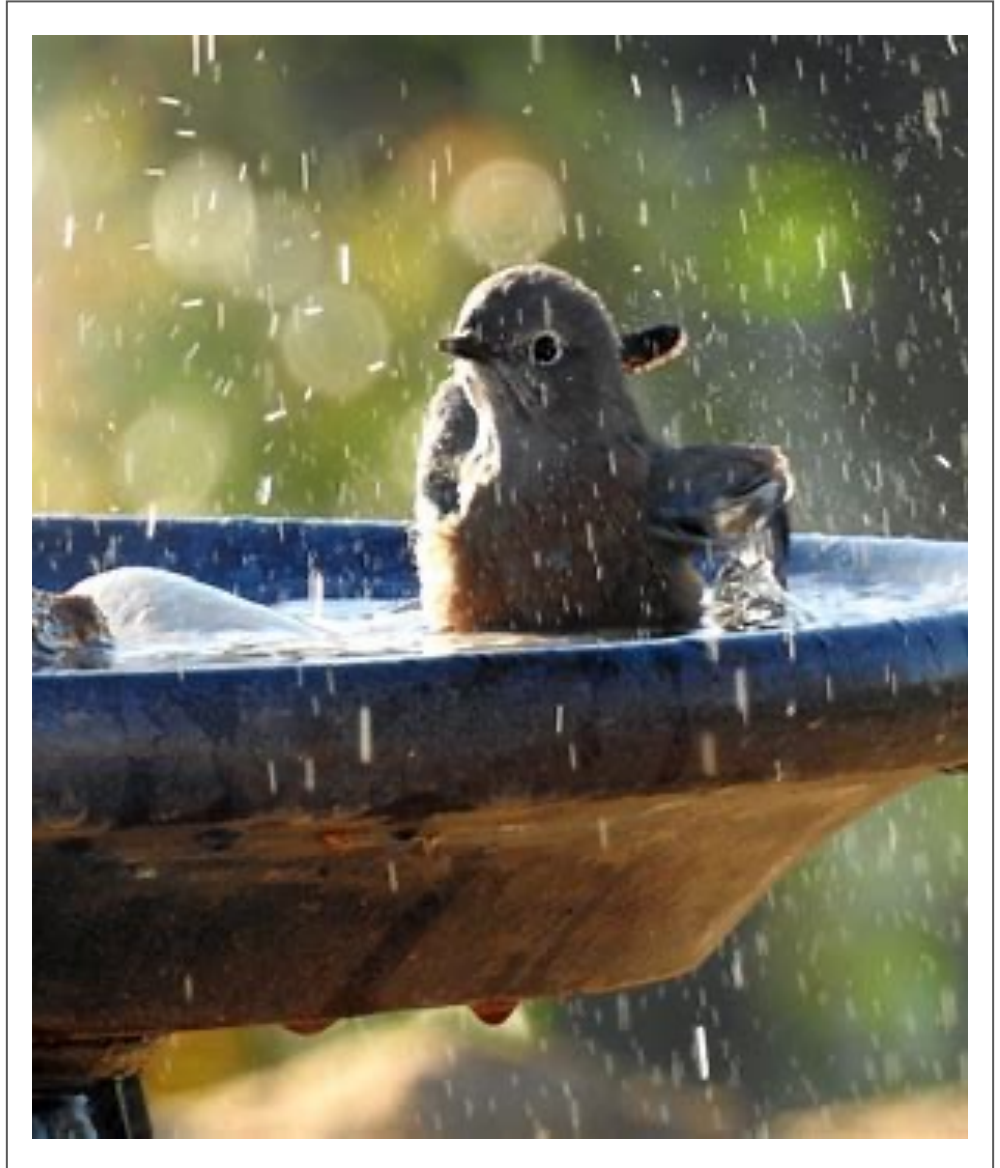


# Beat the Heat

Animal adaptations for heat



There are  
many  
ways  
animals  
beat the  
heat.

Sweating and panting

Nocturnal and crepuscular activity

Estivation

Hiding in the shade or going underground

Fur or feather covering that radiates light

Reduced body fat

Developing a high tolerance metabolically

Releasing heat high ratio of surface area to volume

Shedding

Reducing elimination

Numerous blood vessels

Sidewinding or running on hind legs

Arrangement of furry areas –this under, thick over

Tails shading

# Beat-the-heat rap!

What are some ways to beat the heat?

Hide underground and retreat?

Slow your metabolism, reduce elimination?

Arrange your feathers to decrease insulation?

You can shed, and pant and sweat,

And cool in the water by getting wet.

Increase surface to volume, and active at night.

Develop fur that reflects some of the light!



# *Beat the Heat* song to *I'm a* *Little Teapot*

I'm a little critter, how to beat  
the heat?

Hiding underground that's a cool  
retreat.

Active at night and resting by  
day,

Staying much cooler, that's the  
way!



# Beat the Heat

Animals have behavioral, anatomical, and metabolic ways to beat the heat!



What are some ways to beat the heat?

Hide underground and retreat?

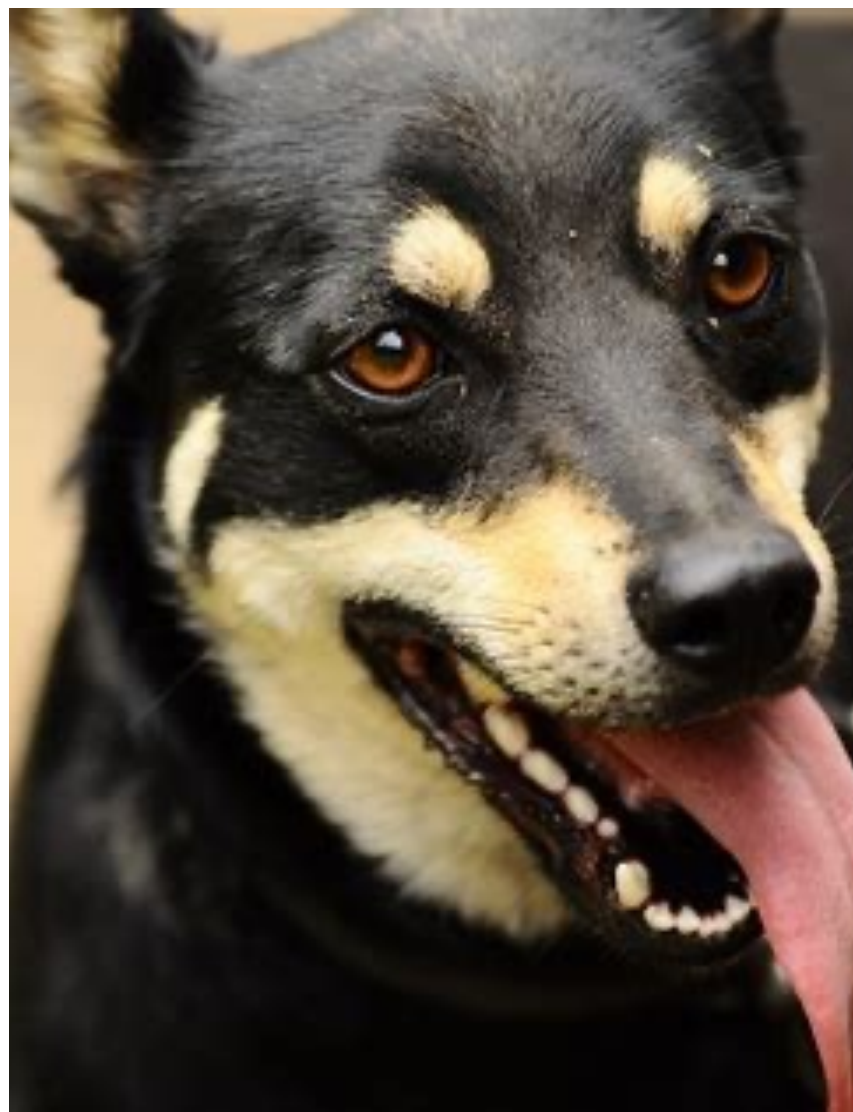


Slow your metabolism, reduce  
elimination?

Arrange your feathers to decrease  
insulation?



You can shed, and pant and sweat,  
And cool in the water by getting wet.





·  
Increase surface to volume, and  
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Develop fur that reflects some of the  
light!



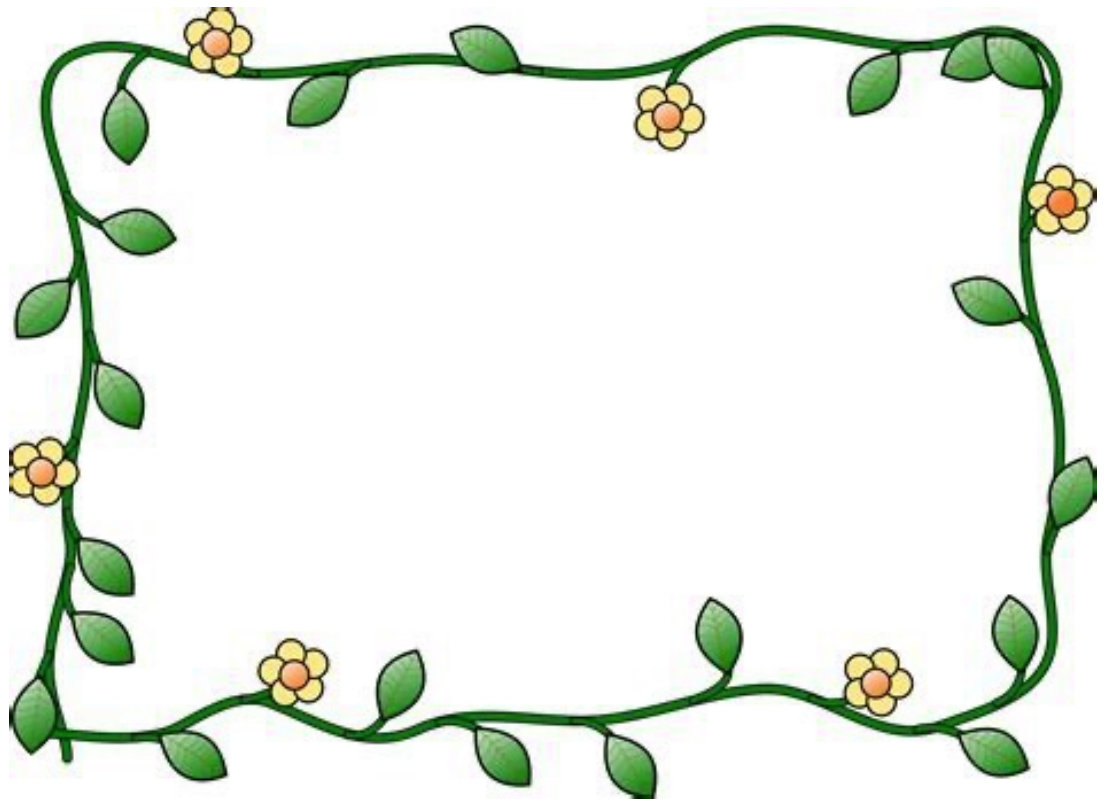
# Heat retreat walk....

Can you find some cool places in  
the park or around your house?



Can you  
design an  
animal to beat  
the heat?

Flappy ears like an  
elephant or big ear  
surface like a jack rabbit?  
Shading tail like a  
squirrel? Running on two  
legs like a lizard?  
Shading fur like a camel?



# Beat the heat sun treat!

Create your own  
beat-the-heat recipe!

