

SMALL BUT
MIGHTY

AMERICAN BATS

NATURE'S UNSUNG
SUPERHEROES!

BATS ARE THE ONLY MAMMALS
CAPABLE OF TRUE FLIGHT - FLYING
SQUIRRELS ARE GLIDERS!

MAYBE NOT AS FAST AS A SPEEDING BULLET, BUT SOME BATS
CAN REACH SPEEDS OF 60 MPH!

THE ECHOLOCATION CALLS
BATS USE FOR LOCATING
FLYING INSECTS ARE TYPICALLY
GREATER THAN 120 DECIBELS - THAT'S
LOUDER THAN A JET ENGINE OR
MACHINE GUN!

BOOM!

BATS ARE ALSO
SUPER SMART! THEY INTERCEPT
ERRATICALLY FLYING INSECTS USING THE SAME
MATHEMATICALLY EFFICIENT STRATEGY SEARCH MISSILES EMPLOY TO ZERO IN
ON MOVING TARGETS!

POW!

ON AN
INTERCEPTION
COURSE WITH PREY,
ECHOLOCATING BATS
EMIT CALLS AND LISTEN FOR
ECHOES ARRIVING AT THEIR
EARS TO DETERMINE THE
SIZE, SHAPE, TEXTURE AND
3D COORDINATES OF
THEIR
TARGET!

JUST BEFORE INTERCEPTION, BATS EMIT A
"TERMINAL BUZZ" USING SUPERFAST MUSCLES
TO PRODUCE VOCALIZATIONS MORE THAN 220
TIMES PER SECOND!

WHAM!

HIGHLY MANUEVERABLE
GLEANNING BATS LISTEN FOR THE SOUNDS OF PREY
MOVEMENT - THE RUSTLING SOUNDS OF PREY MOVING THROUGH LEAF LITTER, THE
FLUTTERING SOUNDS OF WINGBEATS ON SURFACES, OR SPECIES-SPECIFIC MATING CALLS!

OMG

BATS HAVE MANY SUPERPOWERS -
MAMMALIAN FLIGHT, ECHOLOCATION, NIGHT
VISION, SUPERNATURAL HEARING, SUPERANIMAL AGILITY,
LONGEVITY AND BODY TEMPERATURE MANIPULATION!
SOME BATS EVEN HAVE POISON IMMUNITY!

BUT BATS DON'T
HAVE THE POWER OF INVINCIBILITY
- THEY ARE FACING MANY BATTLES
AND NEED YOUR HELP! HOW CAN
YOU BE A SUPERHERO FOR BATS?

SOME BATS ARE
RESISTANT TO ENVENOMATION BY POISONOUS
PREY LIKE SCORPIONS AND CENTIPEDES!