

## 1.Are bats really blind?



Those who believe bats are blind just can't see the truth themselves. In reality, all bats can see. Many of them, in fact, can see really well, even in dim light. Most fruit-eating bats, for example, have large bulging eyes that help them find their way and locate food by sight.

★Teacher will ask this question first “Are there any words you don't understand?” after explain those words, teacher will make some questions below each paragraph. And let him say the sentences according to your question. (If the student can't make himself, you'll make the sentences ) And let him say it 3 times to memorize it:

But other bats, especially those that hunt for insects at night, need to rely a lot more on other senses in the dark. These winged wonders make up for low visibility by "seeing" with their ears, and they do this by using a technique called echolocation.

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A bat echolocates by sending out streams of high-pitched sounds through its mouth or nose. These signals then bounce off nearby objects and send back echoes. By "reading" these echoes with its super-sensitive ears, the bat can determine the location, distance, size, texture and shape of an object in its environment.

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In some cases, a bat can even use echoes to tell insects that are edible apart from those that aren't. And even bats which have been blinded can catch their food without a hitch this way.

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Curious about what bats sound like when they're echolocating? Sorry to say, but your ears alone won't tell you. Those sounds are so high-pitched, they're beyond the range of human hearing.

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But if you borrow a scientist's bat detector, a handy gadget that converts bat calls to sounds people can hear, you can indeed listen in and make the mysterious world of bats a little less

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