

Rainbows

Listen to the story and fill in the blanks with the correct word.

A rainbow is a beautiful _____ of nature. It looks like magic, but really, it can be understood with basic _____. Rainbows appear in the sky when three events _____ at the same time.

First, there are millions of water drops in the _____. That's why rainbows are visible during or right after a rain shower.

Second, the sun is _____ your back. If you're facing the _____ direction, you can't see a rainbow.

Third, the sun is _____ in the sky. That's why rainbows are usually seen in the early _____ or late afternoon.

When these three conditions are _____, light enters the drops, _____, changes direction and comes out at different _____. As light bends, it breaks into seven colors. This is the _____ part: white light enters a drop and seven colors _____ out.

All of the colors are shooting off into the sky in _____ directions. However, only a small _____ of those colors can be seen by people.

The tiny _____ of color which we see, and call a rainbow, leaves the drops at very _____ angles. We see just the line of light moving _____ towards us. For that reason, we see only one color from _____ drop.

Now imagine a rainbow. The outside _____ appears red because red is the only color of light travelling on a _____ and precise path to our eyes.

Now think about violet, which is the color of the inner _____. Violet appears on the _____ because that is the only color of light moving from those drops towards our eyes.

In conclusion, the seven _____ of color and round _____ of a rainbow are not actually _____. It's a remarkable visual _____ created by light that is _____ off a large concentration of water drops and moving in a variety of _____.