

## ***Nature facts (Rainbow)***

### **1. Do you know what a rainbow is?**

The phenomenon where one can see a colorful arc as a result of [refraction](#) and [reflection](#) of sunlight through rainwater droplets, is called a [rainbow](#). It is a full circular-shaped natural phenomenon, but from the ground it looks like only an arc. The complete circle can be seen at high altitudes, such as from an airplane.

### **2. Why are there seven colors in the rainbow?**

The rainbow consists of seven different colors. These seven colors are consequences of different [wavelengths of light](#) that are separated when sunlight passes through a water droplet, that is a rainwater droplet. The colors encompassed are red, orange, yellow, green, blue, indigo and violet.

### **3. Do you know about the moonbow?**

In a [moonbow](#), there is refraction of [moon](#)light through rainwater drops. It is an uncommon lunar phenomenon where a white or faint-colored arc appears. A person can see a moonbow in a region of [waterfalls](#), as there is a presence of mist or water droplets. Moonbows can also appear in regions where there is clean and pollution-free air. [Cumberland Falls](#) in [Kentucky](#), [Victoria Falls](#), and [Hawaii](#) are examples of such places where we can see moonbows. It is seen only if there is a full moon.

### **4. Do you know in which part of the sky rainbows appear?**

A rainbow is visible or seen in the reverse direction to that of the sun.

### **5. Do you know if an individual can see two rainbows at the same time?**

The phenomenon is visible in the sky when there is double light reflection from raindrops. In this phenomenon, another rainbow with a faint and reverse color is visible outside the primary rainbow.

## ***References***

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