



Rainbows

Rainbows are often seen when the sun comes out after or during a rainstorm. Rainbows are caused when sunlight shines through drops of water in the sky at a specific angle. When white sunlight enters a raindrop, it exits the raindrop a different color. When light exits lots of different raindrops at different angles, it produces the red, orange, yellow, green, blue, indigo, and violet that you see in a rainbow. Together, these colors are known as the spectrum. These colors can sometimes be seen in waterfalls and fountains as well.

Did you know that there are double rainbows? In a double rainbow, light reflects twice inside water droplets and forms two arcs. In most double rainbows, the colors of the top arc are opposite from those in the bottom arc. In other words, the order of colors starts with purple on top and ends with the red on bottom. Believe it or not, rainbows sometimes appear as white arcs at night. These rainbows are called moonbows. Moonbows are caused by moonlight (rather than sunlight) shining through drops of water.

1.) Rainbows are often seen

_____.

- A. after a rainstorm
- B. before a rainstorm
- C. after the sun sets at night
- D. before a storm

2.) Rainbows are produced when

_____.

- A. light exits many raindrops at different angles.
- B. the sun causes a rainstorm.
- C. the spectrum causes a rainstorm.
- D. the sun comes out after a storm.

3.) What color is NOT in a rainbow?

- A.) Yellow
- B. Indigo
- C. Orange
- D. Pink

4.) Which of the following IS NOT true?

- A. Double rainbows are two rainbows that are exactly the same.
- B. Spectrum colors sometimes appear in fountains and waterfalls.
- C. Moonbows are caused by moonlight.
- D. Rainbows are usually seen after or during a storm.

5.) What question is answered in the last paragraph?

- A. What colors appear in a rainbow?
- B. How do double rainbows form?
- C. How long do rainbows last?
- D. Why do waterfalls produce rainbow-like spectrums?

6.) What would be a good title for this passage?

- A. The History of Rainbows
- B. Differences Between Normal Rainbows and Double Rainbows
- C. Moonbows!
- D. The Basics About Rainbows

7.) The author describes moonbows as "so rare that very few people will ever see one." Which of the following might also be described as very rare?

- A. A ruler
- B. A pink diamond
- C. A fireman
- D. A Squirrel

8.) What color is a moonbow?

- A. White
- B. Yellow
- C. Green
- D. The passage doesn't say