

Where Do Rainbows Come From?



DIRECTIONS: Read the first set of sentences. Then match each one with its effect. Write the letter of the correct effect on the line in front of each number.

CAUSES

- _____ 1. The sun is behind us and falling rain is in front of us.
- _____ 2. Sunlight strikes a falling drop of water.
- _____ 3. The light continues into the drop.
- _____ 4. When the light hits the front of the drop it is refracted again.
- _____ 5. Sometimes the beam is reflected twice inside of the water drop.

EFFECTS

- A. A second rainbow, with its colors reversed, appears when the light leaves the water drop.
- B. It comes back out of the front of the drop as the color spectrum that we see in a rainbow.
- C. The light is refracted, meaning its direction is changed by the surface of the water.
- D. We see rainbows.
- E. It is reflected from the back of the drop to the front of the drop.