

Name _____

Why Do Storms and Clouds Only Happen in the Troposphere?

Open-Ended Response Answer Key

1. The troposphere is called the weather layer because it's where clouds, storms, and all weather events happen.
2. As water vapor, I float up in warm air. As I rise higher, I cool and turn into a droplet, joining others to make a cloud.
3. Scientists need to study the troposphere to better predict storms, keep people safe, and understand climate changes.
4. Since storms stay in the troposphere, planes fly higher to avoid turbulence. Space rockets need to break through this stormy layer first.

