

Web Weather for Kids

Scavenger Hunt

(**Hint:** Click on Thunderstorms/Tornadoes and then choose, “How in the World do thunderstorms form?”)

1. There are three main types of thunderstorms: **Orographic, Air Mass, and Frontal**. Match them to the correct definition.
 - ❖ _____ thunderstorms occur along frontal boundaries (e.g. cold front).
 - ❖ _____ thunderstorms are caused by air that is forced up by a mountain or hillside.
 - ❖ _____ thunderstorms are the result of localized convection in an unstable air mass.

(**Hint:** Click on Thunderstorms/Tornadoes and then choose, “How in the World does Lightning form?”)

2. _____ happens when the negative charges (electrons) in the bottom of the cloud are attracted to the positive charges (protons) in the ground.
3. The connection is made and the protons rush up to meet the electrons. It is at that point that we see _____ and hear _____.

(**Hint:** Click on Clouds and then choose: “How in the world do Clouds form?”)

4. Name the three phases of water: _____, _____, _____
5. What do you think is the main process behind cloud formation? _____

(**Hint:** Click on Clouds and then choose: “Cloud Types”) **Name these cloud types.**

6. _____ clouds are uniform grayish clouds that often cover the entire sky. They resemble fog that does not reach the ground.
7. _____ clouds are thin, wispy clouds blown by high winds into long streamers. They are considered "high clouds" forming above (20,000 ft).
8. _____ clouds are middle clouds that are made of water droplets and appear as gray, puffy masses, sometimes rolled out in parallel waves or bands.
9. _____ clouds are puffy clouds that sometimes look like pieces of floating cotton.