

3-3 Video Worksheet

Lightning Video 1

1. Creating lightning is all about getting the charges that are all around us to _____.
2. Lightning is formed in (tall or flat) clouds.
3. In the cloud the snowflakes have a _____ charge.
4. In the clouds the hail have a _____ charge.
5. The negative charge in the bottom of the cloud causes the ground under it to have a _____ charge.

Lightning Video 2

1. _____ is the flash of light produced by the natural discharge of static electricity.
2. Negatively charged particles form at the _____ of the cloud.
3. (True or false) Lightning usually hits short objects.
4. A _____ is a metal rod on a building that safely directs the lightning down a wire to the ground.
5. (True or false) Lightning never strikes twice.
6. (True or false) Lightning generates more heat than the sun.

Hurricane Video

1. Hurricanes and _____ are both regional terms for a tropical cyclone.
2. _____ form over the Atlantic Ocean, Eastern Pacific Ocean, and the Caribbean.
3. Hurricanes form over _____ oceans.
4. Due to wind direction and the turning of the earth called the _____, the storm begins to spin.
5. The hurricane moves over the ocean using the ocean's _____ as fuel.

6. When wind speeds reach a speed of _____ or 75 mph the tropical storm turns into a hurricane.
7. Hurricanes are _____ of kilometers wide.
8. The center of the hurricane is called the _____.
9. The eye of the hurricane is _____.
10. The path of a hurricane is _____.
11. The _____ is a huge wave that follows the hurricane and usually causes flooding.
12. Hurricanes (gain or lose) energy when it moves in over land.

Tornado Video 1

1. _____ follow weather conditions that are right for tornadoes so they can study tornadoes.
2. _____ are rapidly rotating columns of air that forms inside storms.
3. Tornadoes form in very large and powerful _____.
4. (True or False) Most tornadoes only live a short time.
5. Most tornadoes have wind speeds of _____.

Tornado Video 2

1. Tornadoes can be ferocious and _____ storms.
2. Thunderstorms develop when _____ and _____ air rises and then cools.
3. If a strong cold wind blows into the warm rising air, a _____ can form.
4. Each year over _____ tornadoes hit the USA.