

### 3-3 Storms 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.