

Name:

Period:

## National Geographic Online: Tornadoes & Hurricanes

<http://www.nationalgeographic.com/forcesofnature/interactive/>

Visit the website listed and explore the information given about tornadoes and hurricanes. Then, answer the associated questions.

**Choose "Tornadoes" in the top left corner and read through the six associated pages.** (*Make sure to stay in the "lab" section of the website*)

1. Which state(s) has the most tornadoes each year? How many does it have?
2. During what time of day do tornadoes usually occur? Why?
3. Tornadoes form when \_\_\_\_\_ and \_\_\_\_\_ air collides with \_\_\_\_\_ and \_\_\_\_\_ air.
4. What other types of weather occur along with (before, during or after) tornadoes?
5. What is the range of wind speeds for an F3 tornado? What type of damage can it cause?

**Next, choose "Hurricanes" in the top left corner and read through the seven associated pages.** (*Make sure to stay in the "lab" section of the website*)

6. What is the difference between a hurricane, cyclone and typhoon?
7. Opposing trade winds can escalate into a tropical \_\_\_\_\_. These get energy from the surrounding warm water and can become tropical \_\_\_\_\_. Once winds reach 39 mph, they are called tropical \_\_\_\_\_. After winds reach 74 mph, it is now classified as a \_\_\_\_\_.
8. Why do people often think the hurricane has completely passed over them when really only half of it has?
9. What weather occurrences do hurricanes bring once they reach land?
10. In order for a hurricane to form, what ocean temperature, humidity and air pressure conditions are necessary?