Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lesson 1.2 Assessment**

***Directions: Use the video, the Saffir-Simpson scale and the clues in the chart to help you to fill in the blanks.***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Sustained Wind Speed** | **Category** | **Damage** |
| Hannah | 102 MPH |  | Trees bending in half, debris flying |
| Sandy | 80 MPH |  |  |
| Katrina |  | 5 |  |
| Andrew |  | 4 |  |
| Irene | 120 |  |  |
| Matthew |  |  | Trees falling, roofs fly off, houses collapse |

**1) When is hurricane season? Why do you think hurricanes only develop during this time?**

**2) What are the four stages of a hurricane?**

|  |  |  |
| --- | --- | --- |
| **Stage** | **Wind Speeds** | **Characteristics** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**3) Explain how a storm progresses from a tropical depression to a hurricane.**

**4) What elements are essential to strengthening a hurricane?**