**Severe Weather Study Guide**

Refer to chapter 12: Meteorology and chapter 13: The Nature of Storms

Define the following.

-Storm surge (p. 359) -eye

-Severe weather warning -eye wall

-Severe weather watch -weather

- Weather (p.314) -flood

- Drought

- Tropical cyclone/hurricanes

-Tornado (p. 352)

1. What is the main source of energy to Earth's atmosphere, describe it.

2. What does the Saffir-Simpson hurricane scale tell us?

3. What kind of damage could a drought cause?

4. What kind of damage can a hurricane cause?

5. What kind of damage does a thunderstorm cause?

6. What should you do if a hurricane is coming your way?

7. What should you do if a tornado is coming your way?

8. What should you do when you’re stuck outside in a thunderstorm?

9. What time of the year do Tornadoes and hurricanes occur most frequently?

10. Describe the weather during..

-high-pressure systems (p.322-323 )

-in low pressure systems

-a cold front

- Warm front

- Stationary front

12. Can hurricanes occur over any large body of water?

14. List the three conditions that must exist for a thunderstorm to form.(p.344)

16. Where do hurricanes occur and why? (p. 355)

18. Practice reading the Wind-chill chart on page 367.

\*Look up TOTO in relation to tornadoes

\*You will have to describe in detail a kind of severe storm, the damage it causes and safety precautions.

\* Know how to spell hurricane, storm surge, eye wall and stationary.