

Name: _____

Date: _____

Quiz name: AMSTI TEST ON LESSON 1-4 (STORMS & WEATHER)

1. When a hurricane makes landfall, what is the greatest danger to residents?
 - (A) Excessive rain
 - (B) The eye of the hurricane
 - (C) The temperature drop
 - (D) The storm surge

2. Which of the following are used to study and forecast most weather-related events?
 - (A) Doppler radar
 - (B) Satellites and satellite images
 - (C) Weather maps
 - (D) All of the above

3. Which statement describes the main cause of tornadoes?
 - (A) Air in a low-pressure system rises above warm water
 - (B) Tornadoes form when two air masses of sharply different temperature and humidity meet, normally over land
 - (C) Tropical sea air sweeps in to replace the rising air, causing condensation
 - (D) None of the above

4. What is the main source of heat energy for weather on the earth?
 - (A) Air
 - (B) Metals
 - (C) The sun
 - (D) Precipitation

5. In what ways are a hurricane and a tornado alike?
 - (A) Both are usually around 650 km across
 - (B) Both form over warm, tropical waters
 - (C) The path of destruction for both is usually equal in diameter
 - (D) Both contain winds that spiral very rapidly

6. Under what conditions with the vortex of a tornado form?
 - (A) When water spirals in a whirlpool
 - (B) When air masses of very different temperature and humidity conditions meet
 - (C) When deep ocean currents result from changes in temperature
 - (D) When greenhouse gases trap the earth's heat

7. Hurricanes happen in the winter and spring
 - (A) True
 - (B) False

8. Warm water helps a hurricane keep going.

- A True
- B False

9. The F-Scale measures how slow a tornado is.

- A True
- B False

10. Tornadoes come from severe thunderstorms

- A True
- B False

11. This is a spherical model of the earth in three dimension

- A tornado
- B hurricane
- C globe
- D oceanographer

12. This type of scientist study the chemical makeup of the atmosphere and its dynamics

- A Climatologists
- B Atmospheric
- C Meteorologists
- D Oceanographer

13. This type of scientist study the weather in large areas over long spans of time-from years to billions of years

- A Meteorologist
- B Climatologist
- C Atmospheric
- D Oceanographer

14. This type of storm happens in different oceans around the world

- A tornado
- B blizzards
- C thunderstorms
- D hurricanes