Name Date Quarter 1 2 3 4

WEATHER UNIT CHECKLIST & KEY TERMS

1. WHAT IS AIR MADE OF?

- ☐ Weather
- ☐ Meteorologist
- ☐ Atmosphere
- ☐ Nitrogen
- ☐ Oxygen
- ☐ Water Vapor
- ☐ Carbon dioxide
- ☐ Greenhouse Effect

2. HOW ARE THE LAYERS OF THE ATMOSPHERE ARRANGED?

- ☐ Temperature
- ☐ Altitude

3. HOW DO THE LAYERS OF THE ATMOSPHERE COMPARE?

- ☐ Troposphere
- ☐ Stratosphere
- ☐ Mesosphere
- ☐ Thermosphere
  - ☐ Ionosphere
- ☐ Exosphere

4. WHAT HAPPENS TO THE EARTH'S ATMOSPHERE AS THE ALTITUDE INCREASES?

- ☐ Air Pressure
  - ☐ High Pressure
  - ☐ Low Pressure
- ☐ Air Density
- ☐ Mass

5. HOW DOES THE WATER CYCLE WORK WITH ATMOSPHERIC CONDITIONS TO CREATE WEATHER?

- ☐ Water Cycle (Hydrologic Cycle)
- ☐ Condensation
- ☐ Precipitation
  - ☐ Rain
  - ☐ Snow
  - ☐ Sleet
  - ☐ Freezing Rain
  - ☐ Hail
- ☐ Evaporation
- ☐ Transpiration
- ☐ Surface Runoff
- ☐ Humidity
- ☐ Dew Point

6. HOW DOES AIR MASS MOVEMENT AFFECT THE WEATHER?

- ☐ Air Mass
  - ☐ Continental Polar
  - ☐ Maritime Polar
  - ☐ Continental Tropical
  - ☐ Maritime Tropical

- ☐ Front
  - ☐ Cold Front
  - ☐ Warm Front
  - ☐ Stationary Front
  - ☐ Occluded Front

- ☐ Pressure Systems
  - ☐ High Pressure
  - ☐ Low Pressure

7. HOW CAN YOU PREDICT THE WEATHER USING MAPS, SATELLITES, RADARS, AND OTHER WEATHER INSTRUMENTS?

- ☐ Weather Station Model
- ☐ Satellites
- ☐ Doppler Radar
- ☐ Thermometer
- ☐ Barometer
- ☐ Anemometer
- ☐ Psychrometer
- ☐ Wind Vane
- ☐ Rain Gauge

8. HOW CAN CLOUDS HELP YOU PREDICT THE WEATHER?

- ☐ Classified based on shape and altitude
- ☐ Stratus
- ☐ Cumulus
- ☐ Cirrus
- ☐ Cumulonimbus
- ☐ Strato-
- ☐ Alto-
- ☐ Cirro-

9. WHAT CAUSES WIND AND HOW DOES IT AFFECT OUR WEATHER?

- ☐ Wind
- ☐ Coriolis Effect
- ☐ Convection Currents
- ☐ Global Winds
  - ☐ Doldrums
  - ☐ Trade Winds
  - ☐ Horse Latitudes
  - ☐ Prevailing Westerlies
  - ☐ Polar Easterlies
- ☐ Local winds
  - ☐ Sea Breeze
  - ☐ Land Breeze

- ☐ Jet Streams

10. WHAT ARE SOME WAYS, BOTH NATURALLY AND BY HUMANS, POLLUTION CAN GET INTO OUR AIR?

- ☐ Pollution
- ☐ Particulate Matter
- ☐ Photochemical Smog
- ☐ Acid Rain
- ☐ Ozone (Ozone Layer)
- ☐ Chlorofluorocarbons (CFC)
- ☐ Vehicle emissions

11. HOW CAN HUMANS IMPROVE AIR QUALITY?

- ☐ Environmental Protection Agency (EPA)
- ☐ Global Climate Change

12. IDENTIFY WEATHER CONDITIONS NECESSARY FOR THE FORMATION OF SEVERE WEATHER (THUNDERSTORMS, TORNADOES, HURRICANES, AND BLIZZARDS).

- ☐ Thunderstorm
- ☐ Tornadoes
- ☐ Hurricanes
- ☐ Storm Surge
- ☐ Blizzards