



## **LESSON PLAN: Are the World's Weather and Climate Changing?**

### **Weather Quiz**

**Directions:** Using what you have learned from other classes and resources, answer each question below.

1. True or False: Climate is the average or typical weather conditions for a given area.
2. True or False: Extreme weather events can be caused by changes in climate.
3. True or False: In 2005 we experienced a record hurricane season with more named storms than ever recorded.
4. True or False: Very warm water provides the best energy source for hurricanes.
5. True or False: Over the past 30 years, the number of powerful hurricanes has nearly doubled.
6. True or False: Hurricane cycles typically follow a pattern of 10-15 years of extreme activity followed by 25-40 years of quiet activity.
7. True or False: Tornado season typically occurs in the fall.
8. True or False: Eight out of 10 of the hottest years on record have occurred in the last century.
9. True or False: Weather can be affected by changes in the Earth's surface temperature.
10. True or False: The average temperature of the atmosphere has risen one degree in the past century.