

TEST NAME: Science 7 Unit 1: 1N (COPY)
TEST ID: 2657397
GRADE: 07 - Seventh Grade
SUBJECT: Life and Physical Sciences
TEST CATEGORY: School Assessment

Student: _____

Class: _____

Date: _____

1. **Hurricane season for the Atlantic Ocean lasts from June to November. Which factor makes an Atlantic hurricane less likely to form during the month of March?**
 - A. weak trade winds
 - B. cool ocean waters
 - C. low humidity rates
 - D. strong wind shears

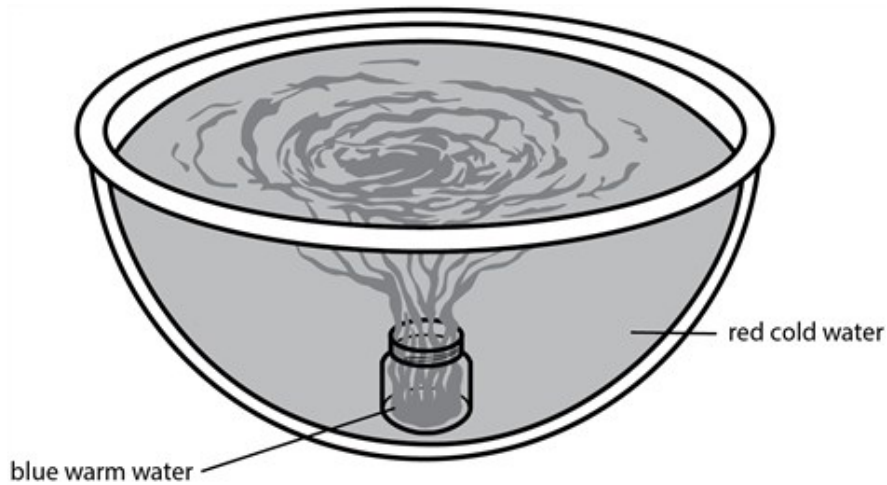
2. **Hurricanes form over water and lose wind speed when they move over land. What does this pattern BEST illustrate?**
 - A. More solar radiation strikes oceans than land.
 - B. Heat from inside Earth warms oceans more than land.
 - C. Oceans transfer more energy to the atmosphere than land does.
 - D. Oceans transfer both heat and chemical energy to the atmosphere.

3. **Which type of activity would MOST likely be included on a weather map?**
 - A. satellite
 - B. seismic
 - C. volcanic
 - D. hurricane

4. **Which of these is associated with hurricanes?**
 - A. a storm that forces strong winds toward the ground
 - B. a storm that develops in warm air closer to the equator
 - C. a storm that develops many high-pressure thunderstorm clouds
 - D. a storm that causes an area of low pressure beneath the warm air

5. **The reading on a barometer rises when the air**
 - A. pressure increases.
 - B. pressure decreases.
 - C. speed increases.
 - D. speed decreases.

6. A model is shown.



The blue water from the jar rises to the top of the bowl. This model is **MOST** likely showing which event?

- A. the way heat is transferred from a gas grill to food
 - B. the exchange of oxygen and carbon dioxide in lungs
 - C. the convection currents that form thunderstorms
 - D. the direction in which a hurricane moves
7. The latitudes at which hot deserts are found have enough direct solar heating to produce high temperatures. Which of these is another primary factor that defines deserts?
- A. almost total erosion of all land material above bedrock
 - B. extremely rapid rainfall percolation through surface material
 - C. soil toxicity concentrated enough to suppress food-web formation
 - D. location where atmospheric convection results in a dry air mass
8. Barometric pressure has been dropping all day. What weather conditions will **most likely** occur?
- A. sunny weather
 - B. stormy weather
 - C. calm weather
 - D. hot weather

9. Doppler radar shows a vertical rotating column of air with high wind speeds. Which is **most likely** occurring?
- A. the formation of a hurricane
 - B. the formation of a tornado
 - C. approaching warm front
 - D. approaching snowstorm