Use the following graphs to answer questions 1 through 3.

1. Which graph shows an inverse relationship?
   a. Graph A
   b. Graph B
   c. Graph C

2. Which graph shows a cyclic change?
   a. Graph A
   b. Graph B
   c. Graph C

3. Which graph shows a direct relationship?
   a. Graph A
   b. Graph B
   c. Graph C

4. What is the best example of a cyclic event?
   a. the appearance of Halley’s comet every 76 years
   b. a hurricane moving up the east coast and hitting Long Island
   c. an earthquake near Washington DC
   d. a tsunami striking the east coast of Japan

5. Which event would be most predictable one year in advance of the event?
   a. the average number of sunspots
   b. a tsunami in Indonesia
   c. an earthquake in California
   d. a volcanic eruption in Japan
6. The graph indicates that years having the greatest number of sunspots occur
   a. randomly and unpredictable
   b. precisely at the beginning of each decade
   c. in a cyclic pattern, repeating approximately every 6 years
   d. in a cyclic pattern, repeating approximately every 11 years

7. Which graph represents the relationship between the number of sunspots and the amount of magnetic activity on the Sun?

   a. 
   b. 
   c. 
   d. 