1. What kind of correlation would you expect from the ordered pair (student's hair color, student's college grades)?

   [A] no correlation

   [B] negative correlation

   [C] positive correlation

   [D] none of these

2. What kind of correlation would you expect from the ordered pair (student's score on a math test, student's high school grades)?

   [A] no correlation

   [B] positive correlation

   [C] negative correlation

   [D] none of these

3. What kind of correlation would you expect from the ordered pair (student's height, student's SAT scores)?

   [A] negative correlation

   [B] no correlation

   [C] positive correlation

   [D] none of these

4. What kind of correlation would you expect from the ordered pair (student's IQ, student's college grades)?

   [A] negative correlation

   [B] no correlation

   [C] positive correlation

   [D] none of these

5. Which type of correlation exists between the distance from a basketball hoop and the number of jump shots made? Explain your answer.

6. Would you expect a *positive correlation*, a *negative correlation*, or *no correlation* between the number of minutes a candle burns and the height of the candle? Explain why.

7. In a local bagel shop, the number of plain bagels sold in one month increased as the number of onion bagels increased. Is this an example of a *positive correlation*, *negative correlation*, or *no correlation*?

[1] A

[2] B

[3] B

[4] C

[5] Negative correlation; as the distance from the basketball hoop increases, the number of jump shots made tends to decrease.

[6] Negative correlation; the longer the candle burns, the shorter it gets.

[7] positive correlation