SQL Server – Columnstore

Name: _____   Date: _____

1. Database are getting larger for every organization so that means that the time to query the database is taking _____.

2. Traditionally, data was stored in a table in _____.

3. The columnstore index store each column in _____ rather than storing many rows per page.

4. The row method of storing data puts all of the data from a record in a single _____.

5. The column method of storing data puts the individual data from a record in separate _____, but the record nth position is the same.

6. In the columnstore method, we have _____ data already together on a page.

7. Give three reasons why the columnstore process is faster.

8. What is the name of the compression algorithm technology used on the SQL server?

9. What are the common data types supported by the columnstore feature?

10. What are the common data types not supported by the columnstore feature?

11. When would our organization not want to use the columnstore feature on the SQL database?

12. Describe the steps to arrive to a non-clustered index using the GUI method in SQL Server Management Studio.

13. After typing the name of the new index when setting up columnstore, we then click _____.

14. When setting up columnstore on the a table on the SQL server, we name the new index and select add. We then choose _____.

15. We can only setup the columnstore feature for a database table using the graphical user interface in the SQL Server Management Studio window. (T or F) Explain.

16. A columnstore index is limited to _____ columns.

17. Give an example of column stored data compared to row stored data.