

Name: _____ Date: _____ Class: _____

Race to the Top! Pre-Activity Quiz

Fill in the blanks:

1. Why is it important for engineers to use models? (2 points)

2. List two shapes that are used by engineers to build towers. (2 points)

A. _____

B. _____

Circle the correct answer: (1 point each)

3. What is a member?

- A. A window or door in a structure
- B. A bolt or screw in a structure
- C. A beam or column of a structure

4. What does weight-bearing mean?

- A. A structure that is able to support itself without assistance from other structures or supports.
- B. A structure that is able to support additional weight besides the weight of its members.
- C. A structure that is able to support bears.

5. A structure that is able to support itself without assistance from other structures or supports is _____.

- A. weight-bearing
- B. free-standing
- C. free weight