

NAME: \_\_\_\_\_ PERIOD: \_\_\_\_\_

## TRUSS CONSTRUCTION ACTIVITY

**Directions:** In the blank on the left, write the correct answer to the statement or question.

- 1) \_\_\_\_\_ What are the 4 main types of bridge designs?
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_ What type of bridge is a cantilever bridge?
- 6) \_\_\_\_\_ The Golden Gate Bridge is what type of bridge?
- 7) \_\_\_\_\_ Which of Utah's National Parks is named after a type of natural bridge?
- 8) \_\_\_\_\_ What is another name for a pushing force?
- 9) \_\_\_\_\_ A \_\_\_\_\_ is an internal member of a truss
- 10) \_\_\_\_\_ List three careers related to truss construction.
- 11) \_\_\_\_\_
- 12) \_\_\_\_\_
- 13) \_\_\_\_\_ A series of small triangles within a frame form a \_\_\_\_\_?
- 14) \_\_\_\_\_ What is another name for a pulling force?
- 15) \_\_\_\_\_ How tall is your bridge?
- 16) \_\_\_\_\_ How wide is your bridge?
- 17) \_\_\_\_\_ How long is your bridge?
- 18) \_\_\_\_\_ How many grams does your bridge weigh?
- 19) \_\_\_\_\_ How much weight did your bridge hold during the stress test?
- 20) \_\_\_\_\_ How many pounds per gram did your bridge hold?  
(Answer = #19 divided by #18)



In the space provided, draw and label a Basic Trestle bridge (5 points):

In the space provided, draw and label an A-Style bridge (5 points):