



Build a Crane

1. Which two simple machines make up a crane?

_____ and _____



2. Match the crane with a description

- | | |
|---------------|------------------------------------|
| Simple Crane | Used to lift something really high |
| Derrick Crane | Load and unload cargo |
| Tower Crane | Flexible movement |

3. Name three raw materials and three finished products that canals carried.

Raw materials

- _____
- _____
- _____

Finished products

- _____
- _____
- _____

Suspension Bridge

Directions: Please build the bridge, following the directions before answering the questions.

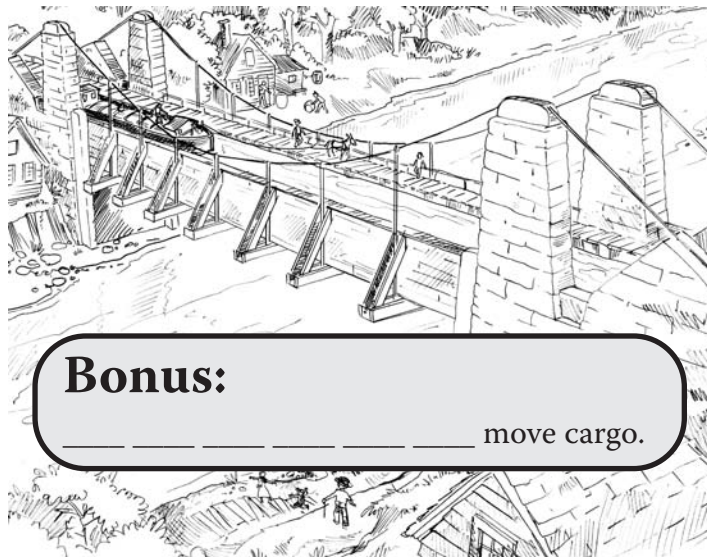
- What is the difference between tension and compression?
 - tension _____
 - compression _____
- Compare and Contrast the arch bridge with the suspension bridge?

How are they different?	How are they the same?
_____	_____
_____	_____
_____	_____
_____	_____

3. What weather related forces could add stress to a suspension bridge?

_____ and _____

W _____



Bonus:
 _____ move cargo.



Directions: In order to answer all questions you need to read the instructions for each building activity, build the activity, and read the history panel.

★★★★★
 Use the circled letters to solve the bonus puzzle at the end.

