



# Grade 7 Science

## Unit 4: Structures



### Forces

- Take one copy of the information per pair of students.
  - > These sheets are not yours to keep.
  - > Do not write on them.
  - > Do not damage them in any fashion.
- Answer the questions found on the next slide.
  - > You should know some of the answers based on our previous lesson.
  - > You will need to read to learn the answers to some of the other questions.
- You have the entire period to work on this.
- At the end of the period I will be checking your work.



# Forces

1. Name three effects that a force can have on an object.
2. What is another word for internal force?
3. What is the difference between a live load and a dead load?
4. Make a T-Chart and sort the following as either live loads or dead loads: Wind blowing against a tree, the weight of the tree, a bird in the tree, the bark on the tree.
5. Create a three column chart with the following headings: "Internal Force," "Description," and "Example"
  - Complete the chart by naming the four types of internal force, by describing those forces with one word each and by listing an example action that causes that force.
6. What is strength?
7. What type of strength is being demonstrated in the following examples?
  - The chain holding an anchor to a boat.
  - A piece of beef jerky that is hard to bite through.
  - A bolt being tightened by a wrench.
  - The legs of your chair.



## Attachments

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4-12 Scan of Textbook Pages 419 - 421, 426, 428-430.pdf