**<https://www.youtube.com/watch?v=u2iPj4Cjajk> Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Bill Nye the Science Guy**

1. The s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a structure depends on what they do.
2. F\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ follows f\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Tree trunks are in c\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. Give two examples of domes

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1. Give two examples of structures

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1. Why are elephant legs so thick? They have to support a lot of w\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Name three things opposable thumbs are good for

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1. Circle: True or false? Bones are structures too.
2. Why can the eggs hold the weight of the cans? The w\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is distributed evenly.
3. Circle one: Ropes are structures that work really well under tension/compression.
4. Circle one: Ropes are not good under tension/compression.
5. Circle one: Compression is pushing / pulling.
6. Circle one: Tension is pushing / pulling
7. Circle One: True or False? If you make a building flexible, it will have a better chance of standing up to an earthquake.
8. Circle one: The rope that Bill jumps from, the rope is under stress / tension / compression ?