Science Model Discussion Questions

1. What is a model in science?
   1. Something visual to represent science (data)
      1. A structure or diagram
   2. Other tools to help like math equations
2. How do models help in science?
   1. Helps us to comprehend and explain how things work
3. Give some examples of some models we use in science.
   1. Climate change, graphs, atoms diagram, drawings, 3d models, skeletons, cell
4. Is it ok to have multiple models that are used to explain the same thing?
   1. Yes, to provide different perspectives of a concept
5. Can scientists prove things true? False? How?
   1. No, cannot test EVERY situation.
   2. Everything is true until proven false?
   3. No, can make reasonable assumptions but not to prove true.
6. Should we believe what science says? Why?­­­­
   1. Yes on some level but there is always some change it can be wrong.