Science Model Discussion Questions

1. What is a model in science?
   1. A mode of representing and visualizing a process or activity or real world phenomenon
2. How do models help in science?
   1. They make it easier to observe/understand/explain something that is otherwise difficult to observe.
3. Give some examples of some models we use in science.
   1. Cross-section cuts, atoms, cells, elements, bonds (visual)
4. Is it ok to have multiple models that are used to explain the same thing?
   1. Yes, in different contexts, different models can be useful. Different perspective.
5. Can scientists prove things true? False? How?
   1. Sometimes. Not in this day and age (we need better technology for certain things).
6. Should we believe what science says? Why?­­­­
   1. Depends on the science (how much evidence?, repeated research and controlled studies are all helpful).