

1. Generate a graph that estimates the number of atoms in the universe as a function of time (beginning with the big bang, up to the present day). Explain your reasoning
2. Draw another graph to illustrate the **number** of elements in the universe as a function of time. Explain your reasoning
3. Can an isolated atom have a melting point or boiling point? Why or why not?
4. Can an isolated atom exist in a state? (solid, liquid, gas?) Why or why not?
5. Why do bonds between atoms form?