

1) What is an isotope?

2) Balance the following equation:
 $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$

3) Complete the following table.

Subatomic particles	charge	mass
proton		
neutron		
electron		

4) What shape is a Buckminsterfullerene molecule?

5) Graphite is a good conductor of electricity while diamond is not. Why?