

Episode 8 - Chemical Bonds

1. What is special about the arrangement of electrons in the noble gases?
2. What do other elements do to acquire a noble gas configuration?
3. What are the indications of chemical change when sodium and chlorine react?
4. Describe the arrangement of ions in sodium chloride.
5. What tests were done to determine if a substance contains ionic bonds?
6. What does the shape of a crystal tell you about its internal structure?
7. What is meant by covalent bonding?
8. What element is common to many explosives?
9. Why do these explosives release so much energy?
10. What is meant by nitrogen fixation?