

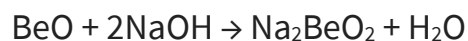
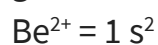
Related Problems

Answer the following short answer questions

- I) Name an element that is invariably bivalent and whose oxide is soluble in excess of NaOH and its dipositive ion has a noble gas core.

Answer:

The element is beryllium (Be) which forms a divalent ion and has a noble gas core [He] $2s^2$



- II) Beryllium oxide has a high melting point. Why?

Answer:

Due to its polymeric nature.

- III) Mention the chief reasons for the resemblance between beryllium and aluminium.

Answer:

Both Be^{2+} and Al^{3+} ions have high polarising power.