

Question #77043, Chemistry / Physical Chemistry

All of the following have values of zero for free energy of formation, except:

- A) Fe(l)
- B) S₈(s)
- C) N₂(g)
- D) Br₂(l)
- E) Hg(l)

Solution:

An element has free energy of formation at 25°C and 1 atm for in its elemental state. Under those conditions Fe is solid Fe(s) but not liquid Fe(l)

Answer:

A) Fe(l)

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