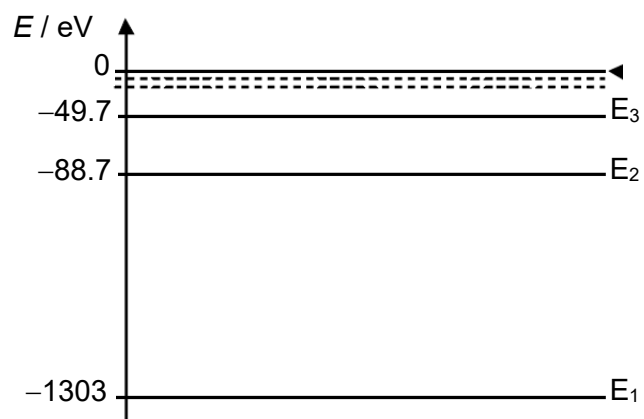


- 29** The energy level diagram below shows the three lowest energy levels in the magnesium atom.



What is the wavelength of the radiation that is produced when the energy level of the atom falls from the E_3 level to the E_1 level.

- | | | | |
|----------|----------|----------|----------|
| A | 0.954 nm | B | 0.992 nm |
| C | 1.02 nm | D | 31.9 nm |