

- 24 The figure below shows case X and Y in which a charged particle moves in a helical path through a uniform magnetic field  $\mathbf{B}$ .



Which of the following statements is correct?

- A Only the charged particle in case X is negatively charged.
- B Only the charged particle in case Y is negatively charged.
- C Both charged particles in case X and Y are positively charged.
- D Both charged particles in case X and Y are negatively charged.