

**18** Two experiments involving acids R or S are done.

- 0.10 mol of acid R completely dissolves in 500 cm<sup>3</sup> of water. 0.0048 mol of acid R is dissociated in the solution.
- 0.10 mol of acid S completely dissolves in 500 cm<sup>3</sup> of water. 0.0179 mol of acid S is dissociated in the solution.

Which statement about acids R and S is correct?

- A** Acid R is a strong acid, and acid S is a weak acid.
- B** Acid R is a weak acid, and acid S is a strong acid.
- C** Acid R and acid S are both strong acids.
- D** Acid R and acid S are both weak acids.