

- 10** One commercially available 'heat pad' contains iron, activated carbon and water. The 'heat pad' is activated by air. This causes the pad to get hotter.

Which statement describes the chemical reaction occurring in the 'heat pad' when it is exposed to air?

- A** The reaction is endothermic and iron gains electrons.
- B** The reaction is endothermic and iron loses electrons.
- C** The reaction is exothermic and iron gains electrons.
- D** The reaction is exothermic and iron loses electrons.