

## Unit 8: Reaction kinetics

### Subunit 8.3: Homogeneous and heterogeneous catalysts

#### *Topical Question No: 1*

- 12 Which statement about the effect of a catalyst on a reversible reaction is correct?
- A The activation energy of the forward reaction stays the same.
  - B The composition of the equilibrium mixture stays the same.
  - C The rate of the backward reaction stays the same.
  - D The value of the equilibrium constant changes.

#### *Topical Question No: 2*

- 19 Transition elements and their compounds are important as catalysts.

In which process is a transition element compound used, rather than the element itself?

- A catalytic converters
- B Contact process
- C Haber process
- D hydrogenation of oils

## Answer Key

1. Error
2. Error