

3 When a train travels across a railway bridge, the bridge may be forced into resonant oscillation.

Which of the following happens **only** when resonance occurs?

- ☐ A Damping reduces the amplitude of oscillation.
- ☐ B Energy is transferred from the train to the bridge.
- ☐ C Resistive forces dissipate energy from the train.
- ☐ D The amplitude of oscillation is unusually large.

(Total for Question 3 = 1 mark)