

**21** What is the relationship between the intensity  $I$  and the amplitude  $a$  of a wave?

**A**  $\frac{I}{a} = \text{constant}$

**B**  $\frac{I}{a^2} = \text{constant}$

**C**  $Ia = \text{constant}$

**D**  $Ia^2 = \text{constant}$