

**Write each number in scientific notation.**

11) 5500

- A)  $5.5 \times 10^3$       B)  $0.55 \times 10^3$   
C)  $55 \times 10^{-3}$       D)  $55 \times 10^3$

12) 0.65

- A)  $6.5 \times 10^{-1}$       B)  $65 \times 10^0$   
C)  $65 \times 10^{-1}$       D)  $6.5 \times 10^0$

**Write each number in standard notation.**

13)  $4.2 \times 10^0$

- A) 0.42      B) 4.2  
C) 42      D) 420

14)  $2.87 \times 10^3$

- A) 0.00287      B) 287  
C) 2870      D) 28700

**Simplify. Write each answer in scientific notation.**

15)  $(2.8 \times 10^1)(9.6 \times 10^6)$

- A)  $2.688 \times 10^1$   
B)  $2.917 \times 10^{-6}$   
C)  $2.688 \times 10^8$   
D)  $2.917 \times 10^0$

16)  $(1.3 \times 10^{-5})(8.6 \times 10^5)$

- A)  $1.512 \times 10^{-11}$   
B)  $0.1118 \times 10^1$   
C)  $1.118 \times 10^1$   
D)  $1.512 \times 10^{-10}$

17)  $\frac{3.6 \times 10^{-2}}{7.53 \times 10^6}$

- A)  $4.781 \times 10^{-9}$   
B)  $47.81 \times 10^{-9}$   
C)  $2.711 \times 10^5$   
D)  $47.81 \times 10^9$

18)  $\frac{5.43 \times 10^4}{5.23 \times 10^2}$

- A)  $1.038 \times 10^0$   
B)  $1.038 \times 10^2$   
C)  $1.038 \times 10^{-2}$   
D)  $1.038 \times 10^1$

19)  $(6 \times 10^{-4})^5$

- A)  $6 \times 10^{18}$   
B)  $6 \times 10^{-18}$   
C)  $7.776 \times 10^{-17}$   
D)  $7.776 \times 10^{-18}$

20)  $(8.07 \times 10^{-6})^6$

- A)  $2.762 \times 10^{-31}$   
B)  $27.62 \times 10^{-32}$   
C)  $8.07 \times 10^{-32}$   
D)  $27.62 \times 10^{-31}$