

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Order of Operations: A Space Odyssey

Your space odyssey begins in the troposphere - the lowest layer of the Earth's atmosphere. Right now, you're grounded. ☹️ Your mission is to make it to the thermosphere or beyond! Good luck!

A.  $50 - 18 \div 6 + 2$

B.  $100 \div 5 \cdot 2^2$

C.  $35 + 4^2 - (6 - 3)$

D.  $18 + 2(1 + 3^2)$

E.  $6 \cdot 7 - 3(4 + 1)$

F.  $(5 + 2)^2 \div 7 - 6$

Troposphere



A.  $19 - 8 \cdot 5 \div 10 + 6 \div 3$

B.  $18 \div 6 \cdot 2 + (8 - 7) + 2^4$

C.  $77 - 42 \div 7^1$

D.  $9 \cdot 6 - 5(10 - 3)$

E.  $65 - 4^3 \cdot 1^7$

F.  $3(18 - 4^2 + 10) + 7$

Stratosphere



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A.  $(6 + 5) \cdot 16 \div 2 \cdot 2$

B.  $(15 - 6)^2 \div 3 - 3^3$

Mesosphere

C.  $(16 \div 4)^2 + 4(5^2 - 5)^2$

D.  $9 - 8 + 10(17 - 4 \cdot 3 \div 1)^3$



A.  $\frac{12 + 18}{7 - 6 + 4}$

B.  $\frac{8 + 6^2}{11} + 7 \cdot 2^3$

C.  $2 \cdot 5 + \frac{4(5 + 20 \div 4) + 9^2}{19 - 8}$

Thermosphere

D.  $[37 - 5(12 - 7)]^2$

E.  $12 \cdot [40 - (4 + 2)^2] - 7$

F.  $10\{6[19 - 11(3 - 2)^4] + 2\}$

