

Converting Between ng, μ g, mg and g (D)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 950,000,000 μ g to g
2. Convert 0.0000447 g to ng
3. Convert 44,780,000 mg to g
4. Convert 3.99 μ g to ng
5. Convert 0.00667 μ g to ng
6. Convert 842,000 μ g to mg
7. Convert 75,000,000 ng to mg
8. Convert 0.05415 mg to μ g
9. Convert 0.0001555 g to ng
10. Convert 64,000,000 ng to mg

Converting Between ng, μg , mg and g (D) Answers

Name: _____

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Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 950,000,000 μg to g

$$950,000,000 \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 950 \text{ g}$$

2. Convert 0.0000447 g to ng

$$0.0000447 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 44,700 \text{ ng}$$

3. Convert 44,780,000 mg to g

$$44,780,000 \text{ mg} \div 10 \div 10 \div 10 = 44,780 \text{ g}$$

4. Convert 3.99 μg to ng

$$3.99 \mu\text{g} \times 10 \times 10 \times 10 = 3990 \text{ ng}$$

5. Convert 0.00667 μg to ng

$$0.00667 \mu\text{g} \times 10 \times 10 \times 10 = 6.67 \text{ ng}$$

6. Convert 842,000 μg to mg

$$842,000 \mu\text{g} \div 10 \div 10 \div 10 = 842 \text{ mg}$$

7. Convert 75,000,000 ng to mg

$$75,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 75 \text{ mg}$$

8. Convert 0.05415 mg to μg

$$0.05415 \text{ mg} \times 10 \times 10 \times 10 = 54.15 \mu\text{g}$$

9. Convert 0.0001555 g to ng

$$0.0001555 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 155,500 \text{ ng}$$

10. Convert 64,000,000 ng to mg

$$64,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 64 \text{ mg}$$