

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

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 616.300.000.000.000 ng to g
2. Convert 65.900.000 ng to mg
3. Convert 69.500.000 ng to μg
4. Convert 0,0066 g to mg
5. Convert 9.300.000 ng to mg
6. Convert 0,00774 mg to μg
7. Convert 0,0000007322 g to ng
8. Convert 0,01117 mg to μg
9. Convert 4780 ng to μg
10. Convert 0,6323 g to μg

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

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1. Convert 616.300.000.000.000 ng to g

$$616.300.000.000.000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 616.300 \text{ g}$$

2. Convert 65.900.000 ng to mg

$$65.900.000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 65,9 \text{ mg}$$

3. Convert 69.500.000 ng to µg

$$69.500.000 \text{ ng} \div 10 \div 10 \div 10 = 69.500 \text{ µg}$$

4. Convert 0,0066 g to mg

$$0,0066 \text{ g} \times 10 \times 10 \times 10 = 6,6 \text{ mg}$$

5. Convert 9.300.000 ng to mg

$$9.300.000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 9,3 \text{ mg}$$

6. Convert 0,00774 mg to µg

$$0,00774 \text{ mg} \times 10 \times 10 \times 10 = 7,74 \text{ µg}$$

7. Convert 0,0000007322 g to ng

$$0,0000007322 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 732,2 \text{ ng}$$

8. Convert 0,01117 mg to µg

$$0,01117 \text{ mg} \times 10 \times 10 \times 10 = 11,17 \text{ µg}$$

9. Convert 4780 ng to µg

$$4780 \text{ ng} \div 10 \div 10 \div 10 = 4,78 \text{ µg}$$

10. Convert 0,6323 g to µg

$$0,6323 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 632.300 \text{ µg}$$