

# Converting Between ng, $\mu$ g, mg and g (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ /10

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



1. Convert 0.00808 mg to ng
2. Convert 72,630,000 mg to g
3. Convert 18,160,000,000 ng to g
4. Convert 8.73  $\mu$ g to ng
5. Convert 292,500,000 ng to  $\mu$ g
6. Convert 0.00000000736 g to ng
7. Convert 30,300,000  $\mu$ g to mg
8. Convert 0.00000096 mg to ng
9. Convert 29,000,000  $\mu$ g to g
10. Convert 0.00846 mg to  $\mu$ g

## Converting Between ng, $\mu\text{g}$ , mg and g (J) Answers

Name: \_\_\_\_\_

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



1. Convert 0.00808 mg to ng

$$0.00808 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 8080 \text{ ng}$$

2. Convert 72,630,000 mg to g

$$72,630,000 \text{ mg} \div 10 \div 10 \div 10 = 72,630 \text{ g}$$

3. Convert 18,160,000,000 ng to g

$$18,160,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 18.16 \text{ g}$$

4. Convert 8.73  $\mu\text{g}$  to ng

$$8.73 \mu\text{g} \times 10 \times 10 \times 10 = 8730 \text{ ng}$$

5. Convert 292,500,000 ng to  $\mu\text{g}$

$$292,500,000 \text{ ng} \div 10 \div 10 \div 10 = 292,500 \mu\text{g}$$

6. Convert 0.00000000736 g to ng

$$0.00000000736 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 7.36 \text{ ng}$$

7. Convert 30,300,000  $\mu\text{g}$  to mg

$$30,300,000 \mu\text{g} \div 10 \div 10 \div 10 = 30,300 \text{ mg}$$

8. Convert 0.00000096 mg to ng

$$0.00000096 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0.96 \text{ ng}$$

9. Convert 29,000,000  $\mu\text{g}$  to g

$$29,000,000 \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 29 \text{ g}$$

10. Convert 0.00846 mg to  $\mu\text{g}$

$$0.00846 \text{ mg} \times 10 \times 10 \times 10 = 8.46 \mu\text{g}$$